

The
CHEMIST AND DRUGGIST
 OF RETAILER - WHOLESALER - MANUFACTURER

APRIL 3, 1948

*It is in keeping with your reputation
as a pharmacist to recommend*

TRADE MARK
'ZEPHROL'
 BRAND
 ephedrine cough syrup

*an M&B
product*

sells at
 1s. 9d.
 (Plus 4½d.
 P. Tax)



manufactured by
MAY & BAKER LTD.
 distributors

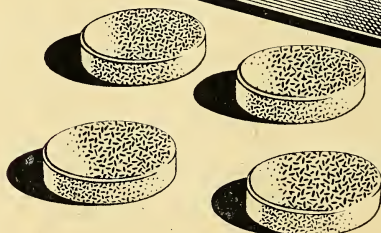
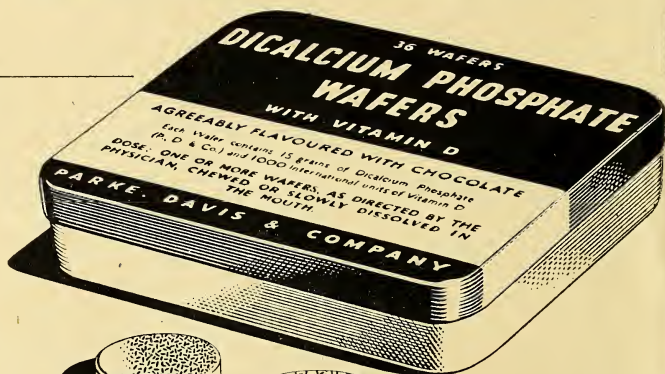


P.A.T.A.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

***This new pack and formula
will win quick customer response...***

**Bonus
Terms
are
available**



•
Supplied in Tins
of 36 Wafers

M.R.P.
(Incl. Pur. Tax)
3/4½d.

Dicalcium Phosphate Wafers with Vitamin D. which present the two essential minerals—calcium and phosphorus—in well-balanced proportions, are appreciated by customers for their pleasant taste and distinctive medicinal quality.

Each wafer contains Dicalcium Phosphate (P., D. & Co.) 15 grs. and 1,000 International units of Vitamin D in a palatable chocolate base. The larger amount of Vitamin D is worth noting.



Your display and counter promotion of Parke-Davis Dicalcium Phosphate Wafers with Vitamin D will bring you consumer approval and register satisfaction.

P.A.T.A.

PARKE, DAVIS & COMPANY
50, BEAK STREET, LONDON, W.1.
LABORATORIES: HOUNSLOW, MIDDLESEX. INC. U.S.A. LIABILITY LTD.

Show 'Elasto'—It Sells on Sight !

It's advertised as a Chemist's line



PLEASE NOTE

22/- Pack

(one bottle free)

AGAIN AVAILABLE

see prices below

1/6^{D.} PROFIT ON EVERY SALE !

'ELASTO' Advertising is Nation-wide and Consistent. An ever-increasing demand for this product is ^{now} being created at your very door; a slight effort on your part will bring this new and profitable business to your counter. A showcard or a few 'Elasto' cartons displayed in your window will bring most gratifying results. You can recommend 'Elasto' with confidence for all circulatory disorders including Varicose Veins, Bad Leg, Skin Troubles, Rheumatism and poor General Health. A tablet Remedy, easy to handle and reliable.

Recommend 'Elasto'—and a satisfied customer will recommend You !

★

RETAIL (Including Tax)

PATA

WHOLESALE (Including Tax)

5/6 per bottle (one month's supply)

48/- per dozen

22/- five bottles (Including one free)

192/- per dozen

The NEW ERA TREATMENT CO., LTD.
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

Efficient Salicylate Medication

'ALASIL' is an analgesic, antipyretic and sedative of established value. It provides the physician with an efficient form of salicylate medication which combines the advantages of high tolerability and greater freedom from the possibility of unpleasant gastrointestinal sequelæ.

This tolerability is due to the fact that 'Alasil' is a combination of acetylsalicylic acid and Dibasic Calcium Phosphate together with 'Alocol' (Colloidal Aluminium Hydroxide), an effective gastric sedative and antacid.

For these reasons 'Alasil' can be administered with confidence—over prolonged periods if necessary—to children, adults, the aged, and patients with finely balanced digestive capacities.

Alasil

TABLETS

Aspirin with a difference

Retail Prices: Bottles 1/7 and 3/1½

Including Purchase Tax.

Trade Prices: 11/3 and 22/6

Plus Purchase Tax

On the **PATA**

A. WANDER LTD.
5 and 7 Albert Hall
Mansions, London,
S.W.7



Crookes Halibut Oil

in *new*, palatable,
miscible form
for bottle-fed
infants



The richest sources of vitamins A and D—the livers of fish—have always had the disadvantages of strong taste and difficulty of mixing with milk. Crookes have now developed their new Halibut Oil *Emulsion* for Infants to overcome these difficulties. This new Emulsion, which is basically the highly potent Crookes Halibut Oil, mixes immediately with milk and is agreeable to take. Three drops in the infant's feed, for only 4 of the daily feeds, provides 3000 I.U. of vitamin A and 800 I.U. of vitamin D.

CROOKES HALIBUT OIL EMULSION FOR INFANTS

Obtainable only from Chemists — 3/6d a bottle.

Literature available upon request.



THE CROOKES LABORATORIES LIMITED, PARK ROYAL, LONDON N.W.10

In the Spring . . .

This is the time of year when many dog-owners will be coming to you for advice. Their pets are listless, they may say, or have started to scratch, or perhaps just look generally out of condition. The warmer weather of spring *does* upset many dogs, particularly as they have had less exercise than usual during the winter months, and domesticated food is not always entirely suitable for them. Bob Martin's Condition Powder Tablets will help to restore a dog's natural 'tone' and liveliness, so be sure your stocks are sufficient to meet the increased demand at this time of the year.

BOB MARTIN LIMITED, SOUTHPORT, LANCs.

Bob Martin's

CONDITION POWDER TABLETS

keep dogs fit

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THE RECONSTRUCTIVE TONIC that's always in demand

The reputation of Neuro Phosphates as an ideal reconstructive tonic is world-wide. It is constantly being prescribed for the overworked, the convalescent, and the constitutionally delicate. In these days of strain it is in ever-increasing demand; the supply position has now improved and we can meet all reasonable requirements.

NEUROPHOSPHATES

ESKAY BRAND

MENLEY & JAMES LTD.

123 Coldharbour Lane, London, S.E.5



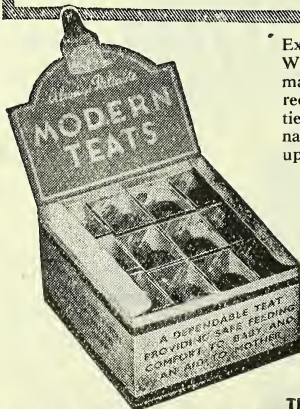
8-oz. bottles
Trade Price
38/7 per doz.
plus 12/11 purchase
tax
Retail Price
5/4½ each
inc. purchase tax

For
Smith, Kline & French
Laboratories

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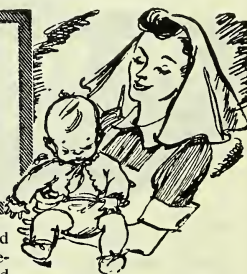
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The DEMAND is in the DESIGN



Extensive National Advertising in the Press and Women's Magazines is creating national demand for the "Modern" Teat. Used and recommended by Nursing and Medical Authorities for its new anti-colic design—nearest to natural feeding. Supply position easier. Stock up now. Obtainable from wholesalers only.

Wholesale price 46/- per gross. Fixed retail price 6d. each.



**B.I.F. 1948
OLYMPIA
MAY 3-14
SEE OUR EXHIBIT
STAND No. E.15**

The **"MODERN"
ANTI-COLIC TEAT**

Used and recommended by Maternity Hospitals
Doctors, Nurses and Welfare Centres

THE CANNON RUBBER MANUFACTURERS LTD, LONDON, N.17

**BOOTS SHOES
CLOTHES
FISH GAME POULTRY
POTS & PANS
BABY CARRIAGES
&
MEDICAL PRODUCTS**

**ARE SOLD
AT THE CO-OPS**

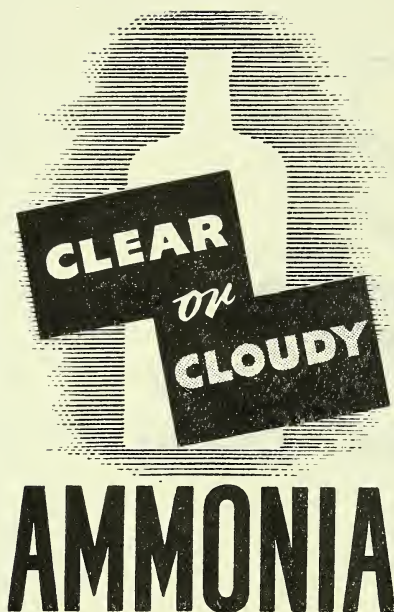
BUT—

**They cannot supply
the Guaranteed
Products of**



UNITED CHEMISTS ASSOCIATION LTD

UCAL WORKS CHELTENHAM



CLEAR
or
CLOUDY

AMMONIA

As Specialists over many years, we offer the best possible value in packed Ammonia. This smartly packed product is offered to all Chemists, and a good variety of labels is available, specimens of which will be submitted on request.

Write for terms now.

TR.138

THORNTON & ROSS
Manufacturing Chemists
LINTHWAITE · HUDDERSFIELD



JACKSON'S
FEBRIFUGE
17.3.10.64
INCLUDING PURCHASE TAX

ALSO OTHER
FAMOUS SPECIALITIES
DRAWING OINTMENT &
CAMODINE OINTMENT

GEORGE JACKSON & SONS Ltd.,
BREWERY ST., HARPURHEY - MANCHESTER, 9

Selling the truth

THE Medical profession is giving yeast its true status as an essential source of Vitamin B and proteins—as a *food* and not a mere pick-me-up. Yestamin advertising helps to spread this truth and the nation-wide sales of Yestamin show that daily yeast is recognised as an important contribution to the health value of a restricted national diet.

In Bottles	to retail at	Trade Prices
100 TABLETS	1/6	12/3 PER DOZ.
300 TABLETS	4/-	33/- PER DOZ.

Less 5% Cash in 14 days

Vitamin B.1.....	2.10 mgms. per oz.
Riboflavin (B.2).....	1.45 mgms. per oz.
Niacin.....	9.50 mgms. per oz.

Yestamin DAILY YEAST

THE ENGLISH GRAINS CO. LTD. BURTON-ON-TRENT

«WB»

MEDICAL PRODUCTS

widely dispensed in retail pharmacy include:-

ACETOMENAPHTHONE

10 mgm. tablets

ADRENALINE

1:1,000 Solution, 1 oz. bottles

BARBITONE & BARBITONE SOLUBLE

5 gr. tablets

DIENOESTROL & STILBOESTROL

tablets—all strengths

DICOUMARIN

50 mgm. tablets

NICOTINIC ACID & NICOTINAMIDE

50 & 100 mgm. tablets

PHENOBARBITONE & PHENOBARBITONE SOLUBLE

tablets—all strengths

SULPHACETAMIDE, SULPHADIAZINE, SULPHAGUANIDINE & SULPHATHIAZOLE

0.5 gm. tablets

Special nett price list available on request

WARD, BLENKINSOP

& CO LTD



6 HENRIETTA PLACE

Telephone: LAngham 3185

LONDON

W.I

Telegrams: Wesdo, London

AYRTONS FOR PENICILLIN

PENICILLIN CREAM

No. 1 MAKING SET (The Original) ANHYDROUS

Per Set (to make 6 pots) ... 6/- Penicillin (100,000 units) ... 1/-

No. 2 MAKING SET. HYDROUS

Per set (to make 4 pots) ... 8/-

No. 3 DAILY POSTAL SERVICE. Penicillin Cream B.P. freshly made and posted immediately. Per ounce, post paid ... 2/-

PENICILLIN SOLUTION TABLETS.

Each tablet 12,500 units — Tubes of 8 ... 2/- Bottles of 80 ... 15/6

" " 10,000 " — " 10 ... 2/- " 100 ... 15/6

CHLOROCRESOL SOLUTION 0.05% for the preparation of Aurist, Guttae and Narist PENICILLIN. Each—4 oz. ... 2/- 10 oz. ... 3/- 20 oz. ... 4/-

PENICILLIN OINTMENT B.P.

1 oz. tubes or jars ... per doz. 16/- 2 oz. jars ... per doz. 30/-

PENICILLIN EYE OINTMENT. 1 drachm tubes ... per doz. 10/-

PENICILLIN LOZENGES B.P. 20's ... per doz. 9/-

PENICILLIN SNUFF "AYRTON" contains 10,000 units, Calcium Salt per gramme in a mentholised base. Packed in press-cap snuff tins containing 70 grains ... per doz. 20/-

PENICILLIN WITH STERILIZED POWDER SULPHATHIAZOLE.

5,000 units Calcium Salt per gramme.

Each — $\frac{1}{2}$ oz. ... 2/3 $\frac{1}{2}$ oz. ... 4/- 1 oz. ... 7/-

AYRTON SAUNDERS & CO. LTD. LIVERPOOL

365 DAYS IN THE YEAR

IS YOUR SELLING SEASON FOR THIS LINE

Sensible people can easily see the advantage of dealing with colds before they catch them! So turn the very effective cold immunising qualities of PILLODINES to your advantage—keep your PILLODINE counter-displays to the forefront. You will find that the PILLODINE 30-day cold immunising treatment will sell nearly as well during the long sunny days as it does during the short dull ones!

Trade terms on request

B.I.F

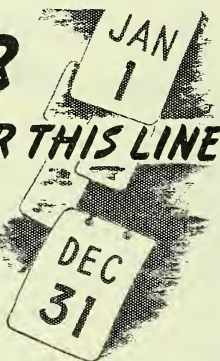
May 3—14
Visit us at
OLYMPIA
STAND B. 11



Pillodines

WATFORD CHEMICAL CO. LTD

30 Baker Street, London, W.1 Tel: Welbeck 0264/8





meritor

D.D.T. ANTIMOTH

- BRILLIANT NEW COUNTER DISPLAY OUTER FREE WITH ORDERS FOR 2 DOZEN
- INCREASED NATIONAL ADVERTISING
- COLOURFUL WRAPPINGS
- 8 LARGER RINGS TO A PACK



MERITOR ANTIMOTH Advertising commences early in March and will continue throughout the Spring and Summer in the National Press and Periodicals with the addition of several Women's publications.

Wrappers are now in colour trans-paper printed in Gold with striking design. Shape and size are different too and there is one more ring in each packet.

OVER 50,000,000 ADS. IN 1948

Stock up NOW to meet the demand

Prices: 6/- doz. Pkts. 6 doz. Lots 5/10 1 gross Lots 5/8 doz.

S. MAW, SON & SONS, LTD., BARNET, HERTS.

Obesity

**SURPLUS WEIGHT REDUCED
HARMLESSLY BY PRESCRIBING
RIDDELL'S OBESETTES
HORMONE-FREE SLIMMING TABLETS**

— Packed in 100s and 250s —



Write for Details and Terms :—

RIDDELL PRODUCTS LIMITED
AXTELL HOUSE, WARWICK ST., LONDON, W.1
and Manchester: MANSFIELD CHAMBERS, ST. ANN'S SQ.

PATA

*For
cool
customers*

Victory V

GUMS & LOZENGES N33

FRYER & CO. (Nelson) LTD., Nelson, Lancs



EOSOL is a vehicle possessing high solvent properties for halogenated fluorescins and other dyestuffs. This fact, combined with excellent miscibility with all usual cosmetic ingredients makes possible a new standard in the manufacture of lipsticks.

CRODA LIMITED
CRODA HOUSE
SNAITH, GOOLE, YORKS.

SD2

*The Symbol of
PERFECT Skin Health*

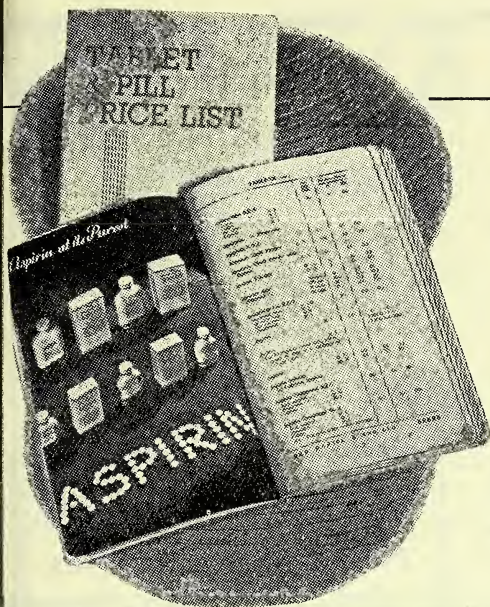
A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD., ALTRINCHAM, CHES.

PATA



BO 20



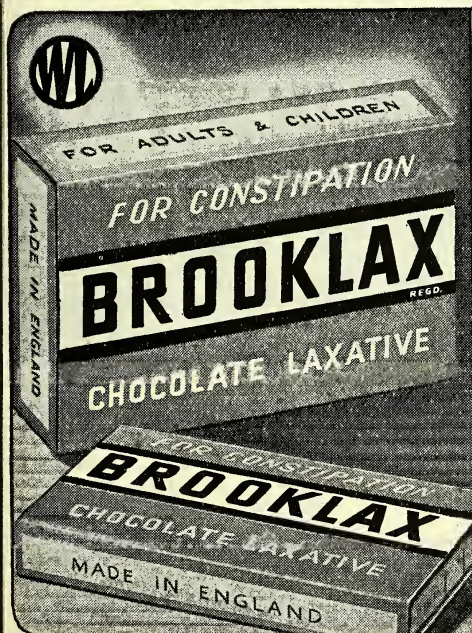
JUST OFF THE PRESS

We take pleasure in announcing the issue of our latest Price List of Pills and Tablets including as it does almost all formulas in demand for both counter sale and dispensing purposes.

(Copies available upon request).



MANUFACTURING CHEMISTS
ESTABLISHED 1860 • DERBY 4266-8
BRANCH OFFICE AND WORKS
GROSVENOR STREET
ASHTON-UNDER-LYNE
Tel: 2816/7



IT'S BRITISH
and you get
33 $\frac{1}{3}$ %
DISCOUNT!

In packs of 6 and 18 tablets

New Retail Prices 7 $\frac{1}{2}$ d. & 1/6

Trade per doz. 4/- & 10/-

Plus Purchase Tax

WESTMINSTER LABORATORIES LTD.

Chalcot Road, London, N.W.1

Telephone: PRImrose 3395/6/7



C.P.10

The NEW Antiphlogistic Kaolin Poulrice (Already Spread)

This NEW antiphlogistic dressing for the relief of pain and inflammation is **ALREADY SPREAD** — an advantage which represents a great saving in time and trouble for the user. Furthermore, C.P.10 peels off in one piece without mess or difficulty. Thus, C.P.10 is ideal for the easy application of prolonged, moist, antiseptic heat to any part of the body. Non-toxic, non-irritant, analgesic. C.P.10 is prepared in three sizes, details below.

TERMS

SIZE	TRADE (per doz.)	PURCHASE TAX	RETAIL (per cart.)
2" x 2" (3 pieces)	6/-	2/-	11d.
4" x 3" (3 pieces)	12/-	4/-	1/10d.
8" x 6" (1 piece)	15/-	4/9	2/3½d.

NEW ACCOUNTS: Minimum Composite Order, 35/-
Wholesale enquiries invited.

All 2" x 2" sizes are packed in attractive display carton



A Carnegie of London product

CARNEGIE BROS., LTD., 227/229 ESSEX RD.,
LONDON, N.1. Phone: CLISSOLD 4761 (4 lines)

ALUMINIUM COMPOUNDS for PHARMACEUTICALS



With over one hundred years' experience in the manufacture of heavy chemicals, SPENCE have recently developed a number of aluminium compounds for pharmaceuticals.

Further details will be sent on request.

PETER **SPENCE** & SONS Ltd

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London · Bristol · Goole · Widnes

ANTHOS

SOLUBLE TOWELS

WITH LOOPS

*"Than which there is
no finer towel"*

MADE BY
LAX-VITA LTD. 66 VICTORIA ST. LONDON S.W.1.

NO FLIES ON



No flies on Secto D.D.T. or beetles or fleas or bugs! In fact the range of insect pests which can be destroyed by Secto is remarkably comprehensive.

Whether the insecticide is required for domestic, industrial or horticultural use, Secto will be found highly efficient and economical.

Our manufacturing facilities, plus extensive knowledge and experience gained during the war whilst carrying out Government contracts for D.D.T. products, and much research since have enabled us to offer preparations, scientifically processed and formulated, which give a rapid 'knockdown' and quick kill.

'Secto' D.D.T. gives maximum control over a wide range of winged and crawling insect pests.

The 'SPITFIRE' of insecticides!

Secto means D.D.T. plus much more attractively packed to retail at:

Powder, all purpose: 1/3, 2/3, 5/6, 10/9

Liquid: 2/-, 3/-, 6/-, 15/-

(Usual trade profit margins and discounts)

Please order early from: **SECTO CO. LTD. BLACKBURN**

'CONTENTA' GRIPE MIXTURE for BABIES

"The label sells it"

BLACKWELL HAYES & CO. LTD., Wholesale Druggists
54-58 MOOR STREET, BIRMINGHAM, 4

DRUGS, GALENICALS, PROPRIETARIES

Makers of 'Vitasac'

R. SUMNER & CO. LTD.

HANOVER STREET - LIVERPOOL, 1

MILLAMALT

Sole Manufacturers

With Vitamins

(A. 5,500 I.U., D. 400 I.U.)
per fl. oz.

JEFFREYS, MILLER & CO. Ltd. Leyland Mills, WIGAN, London Dept.: 19 Brookside Rd. N

The VITAMIN MALT FOOD

SHADEINE FOR GREY HAIR

FIFTY YEARS'
REPUTATION

All shades. Two sizes
only at present. Re-
tail prices 2/11 and
5/5 (including Pur-
chase tax)



STOCKED BY ALL LEADING
WHOLESALE

Compressed TABLET SERVICE

WHOLESALE & EXPORT

Reasonable estimates.

Clients' own material operated if desired.

The ...
DALES ASPIRIN AND TABLETING CO.
Barrows Lane, STEETON, Yorks.



Whiffens Alkaloids and Fine Chemicals

ATROPINE BROMOFORM CAMPHOR
CAFFEINE DYE-LINE CHEMICALS
EMETINE MERCURIALS NICOTINE
NICOTINIC ACID PRUNELLA
SALICIN STRYCHNINE VERMILION
THEOBROMINE (ESSENTIAL OILS)
CLOVE OIL (SANDALWOOD OIL)
ALMOND OIL EXT. IPECAC. LIQ.
DRUG GRINDING

THEOPHYLLINE

*World conditions may determine availability of
supplies*

WHIFFENS

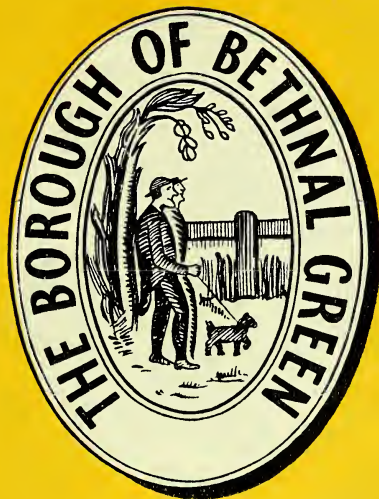
Manufacturers of Fine Chemicals for nearly a century

WHIFFEN & SONS LTD · FULHAM · LONDON · SW6

Telephone: RENown 3416

Telegrams: Whiffen, London

LONDON'S COATS OF ARMS

*Bethnal Green*

The design chosen for the Common Seal has reference to the legend of "The Beggar's Daughter of Bednall Green." The Blind Beggar was supposed to have been Henry de Montfort, eldest son of the famous Simon de Montfort, Earl of Leicester.

This legend has been perpetuated in the stained glass window of the Town Hall.

The borough is one of the smallest in London, having an area of only $1\frac{1}{2}$ miles. In former days it was noted for its silk-weaving, largely carried on by the Huguenots.

Pepys was a frequent visitor to Bethnal House, where his account of the Great Fire in his diary was conveyed for preservation.

Famous residents have included Sir Richard Gresham and Sir Hugh Platt.

Brick Lane (leading to one of Messrs. Potter & Clarke's premises) has a Dickensian association, being the meeting place of Mr. Tony Weller, and his son, Samuel.

DRUG MERCHANTS AND

MANUFACTURING CHEMISTS

POTTER &



CLARKE LTD

*London &**Manchester.*

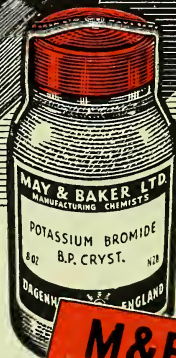
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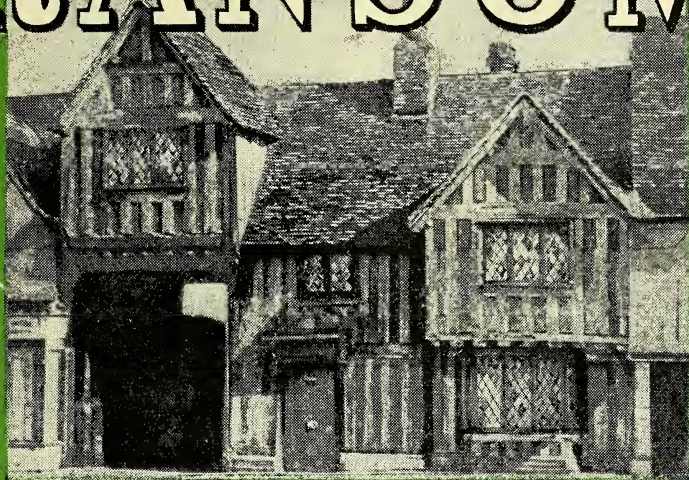
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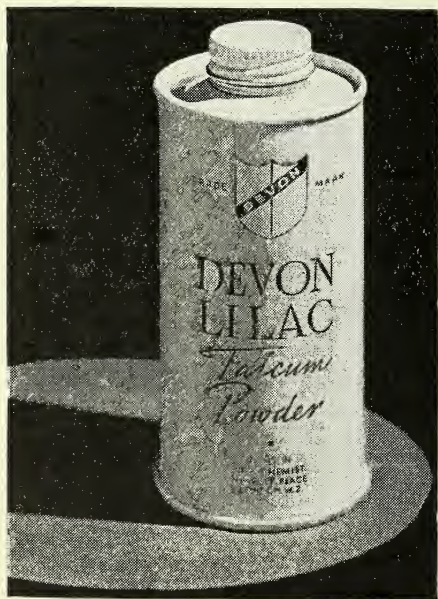
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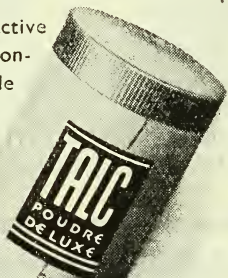
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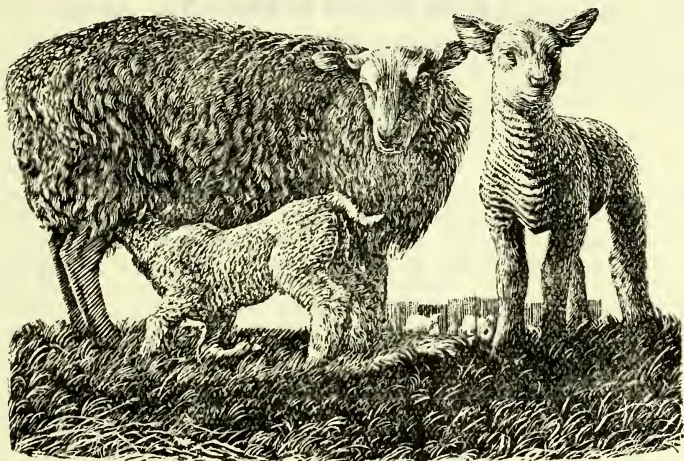


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NEWS OF THE WEEK

K.I.D. Exemptions. — The following chemicals are exempted from Key Industry Duty for the period April 1 to August 19, inclusive: Phthalic acid anhydride; normal butyl alcohol; butyl acetate; methyl acrylate.

D.D. Authorities Withdrawn. — The Home Secretary has withdrawn from Robert Archibald Herschell Morison, M.B., Ch.B., 8 Walker Street, Edinburgh, 3, the authorities granted him by regulations made under the Dangerous Drugs Acts, 1920.

Appeal Lodged. — An appeal against the judgment of Mr. Justice Jenkins in a petition by Boots Pure Drug Co., Ltd., for revocation of British Patent No. 533,495, jointly owned by May & Baker, Ltd., and Ciba, Ltd. (see *C. & D.*, February 7, p. 173) has been lodged by the patentees.

Chemical Society's Officers. — At the 107th annual meeting of the Chemical Society, held at Oxford on March 18, the following officers were elected: *President*, Sir Ian Heilbron; *Treasurer*, Sir Wallace

Akers; *Secretary*, Dr. Alexander King. Dr. J. L. Simonsen and Professor D. H. Hey also continue to hold office as secretaries.

Factory Act Amendments. — The Government has introduced in the House of Lords a Bill by which it is proposed to make a number of amendments to the Factories Act, 1937. The proposed amendments include elaboration of the system of medical examination of young persons employed in factories and the provision of seats for workers of both sexes.

Public Pharmacists' Election. — Nominations for the Council election of the Guild of Public Pharmacists should reach the secretaries at 308 Nevern Place, Earls Court, London, S.W.5, not later than the first post on May 1, accompanied by a formal acceptance of nomination signed by the candidate. Nominations for district members may be made only by members having registered addresses in the district concerned. A branch delegates' meeting is to be held on May 28, and the annual meeting of the Guild on May 29.

Approval of Proprietary Pesticides.—The Ministry of Agriculture and Fisheries and the Department of Agriculture for Scotland state that they are now prepared to receive, from manufacturers and authorised selling agents, applications for the official approval of proprietary DNC-petroleum oil winter-washes, calomel, 4 per cent. calomel dusts, slug baits based on metaldehyde, banding greases and prepared grease-bands. Application forms may be obtained from the Secretary of the Advisory Committee, Plant Pathology Laboratory, Milton Road, Harpenden, Herts.

LOCAL NEWS

Hormones Lecture at Bath.—At a meeting of the Bath Branch of the Pharmaceutical Society on March 24, Mr. H. E. Dale (Boots, Ltd.) spoke on "Hormones," illustrating his lecture with film-strips. The meeting was well attended, Mr. A. H. Hale (president), who was in the chair, proposed a vote of thanks to Mr. Dale, and Mr. L. Wilson seconded.

Merthyr Film Show.—At a meeting of the Aberdare and Merthyr Branch of the Pharmaceutical Society held at Merthyr on March 17, Mr. H. Noel Thomas (chairman) presiding, Mr. A. B. J. Munday introduced three colour films, prepared by Eli Lilly & Co., Ltd., dealing with deficiencies of nicotinic acid, riboflavine and thiamine chloride.

Hull Association Dinner.—The annual dinner of Hull Chemists' Association was held on March 11, Mr. Bernard Foster (president) in the chair. "The Pharmaceutical Society" was proposed by the guest of honour (Judge F. Kingsley Griffith), Mr. E. A. Brocklehurst (a member of the Society's Council) replying. Mr. H. S. Smart proposed "The Guests."

East London Refresher Course.—The East Metropolitan Branch of the Pharmaceutical Society is arranging a refresher course, including lectures and practical work, to be held at a local technical college in the autumn. The secretary (Mr. S. Robinson, 21 Broadhurst Avenue, Ilford) has issued a questionnaire designed to discover the type of course best suited to members' needs.

Derby Company's Dinner.—To celebrate a record year's business since the company was established 130 years ago, the directors of Harts the Chemists (Derby), Ltd., gave a dinner and social evening to their staff on March 17 (see p. 435). Mr.

J. Saul proposed "The Company and the Staff." Mr. C. Taylor, M.P.S. (a director), replying, made special reference to the work done by Miss Margaret Smith, M.P.S., in connection with the fitting of a new dispensary.

Diphtheria Antitoxin Film.—At a meeting of the Dartford Branch of the Pharmaceutical Society held on March 16, a film entitled "The Preparation of Diphtheria Antitoxin and Prophylactics" was shown, and a brief historical account of the development of diphtheria serum therapy and prophylaxis was given by Mr. J. W. Bowie (Wellcome Chemical Works). The film showed the method of production of toxin by the growth of diphtheria bacilli on nutrient broth and its extraction and concentration. Afterwards there was a discussion on motions submitted for the Branch Representatives' meeting.

A.P.E. Whitley Council Protest.—At a conference of members of the Association of Pharmaceutical Employees held recently in Wales, a resolution was passed protesting at the exclusion from the Pharmaceutical Functional [Whitley] Council of pharmacists employed in retail businesses. Such employees, says the resolution, would be "directly responsible for conducting the pharmaceutical service in approximately half the shops on the register." The resolution also points out that the pharmacist, unlike the optician, has a statutory qualification. [Employee opticians are represented on the optical Whitley Council.]

Five-day Week Discussed.—A discussion on the five-day week in pharmacy and the nationalisation of retail shops was opened by Mr. S. Paske at a meeting of the West Ham Association of Pharmacists held on March 10. Mr. Paske suggested that if working hours in pharmacy were longer than in other professions, there was a risk that the best of the rising generation would be attracted away from pharmacy. Although the present was not an opportune time for further restricting hours, pharmacists should prepare for the future. After a brisk discussion it was agreed that in large shops the best way to arrange a five-day week would be for members of the staff to have a day off in turn. In smaller shops, those in one area might close all day on Wednesdays, those in a neighbouring area on Thursdays. It was agreed that the nationalisation of retail shops would result in a lessening of initiative and a lowering of the standard of service.

IRISH NEWS

Pilgrimage to Lourdes.—The organisers of the pharmaceutical pilgrimage from Dublin to Lourdes, which is to take place July 31-August 18 (see *C. & D.*, January 10, p. 40), announce that there are now only a few vacancies. Applications should be sent to the secretaries, Pharmaceutical Pilgrimage, 69 Palmerston Road, Dublin.

N.I. Pharmaceutical Representatives.—The following pharmaceutical representatives have been appointed by the Northern Ireland Minister of Health under the Health Services Act: *General Health Services Board*, Messrs. John McGregor (president, Pharmaceutical Society of Northern Ireland, and a former president of the Ulster Chemists' Association), and William R. McNabb, Lurgan; *Hospitals Authority*, Mr. C. W. Young, Ph.C. (lecturer in pharmaceuticals, Belfast College of Technology).

Students' Territorial Platoon.—The Eire Pharmaceutical Students' Representative Council has been invited by the Eire Army authorities to form a platoon in the Battalion of Pearse F.C.A. (Territorial Volunteer Unit). Those joining the battalion will receive training to fit them for commissioned rank in the Volunteer Forces, and will be expected to do three weeks' annual training in addition to weekly drills. Students wishing to join should assemble at the Main Gate, Portobello Barrack, Dublin, at 12 noon on Sunday, April 4. Further details may be obtained from Mr. Arthur Allshire (correspondence secretary), 24 Lindsay Road, Glasnevin, Dublin.

Dublin College Athletics.—The Gaelic athletic team of the College of the Pharmaceutical Society of Ireland, in its first season in senior football, has so far won three matches, drawn one, and lost one. The team needs to win only one of its two remaining league matches to retain senior status for next season, and has been entered for the senior championship and the college competitions to begin shortly. Chemists in Dublin are invited to attend the club's matches. The Camogie Club of the College, which has completed its league games for the season, has had its most successful series. The team won five out of six matches and has good prospects of winning the intermediate championship.

Belfast Students' Dance.—The annual dance of the Association of Past and Present Students of Pharmaceutics, held at the

Belfast College of Technology on March 17, was largely attended. The guests were received by Mr. John McGregor (president, Pharmaceutical Society of Northern Ireland) and Mrs. McGregor, Mr. C. W. Young, Ph.C. (president of the Association), and Miss R. J. Barry, B.Sc., Ph.C. Mr. N. J. Harper, M.Sc., Ph.C., was master of ceremonies. The committee in charge of the arrangements consisted of Messrs. C. W. Young, H. J. Harper, E. A. Richey, Ph.C., J. Wilson, Ph.C., T. McDaid, E. G. Mackle, D. Anglin, S. Cromie and J. McFarland, and the Misses M. Blair, J. Headon and M. Kinney.

Dublin Students' Debate.—Under the auspices of the Eire Pharmaceutical Students' Representative Council a successful impromptu debate was held recently in Dublin under the chairmanship of Mr. F. X. Meagher (a member of the Council of the Pharmaceutical Society of Ireland). Ten students volunteered to speak at short notice on motions dealing with political and academic subjects, and the large audience took full advantage of the chairman's invitation to express approval or disapproval. Prizes, provided by Messrs. Meagher and B. R. Allshire, and by the adjudicators (Messrs. P. A. Brady, P. C. Cahill, G. C. O'Neill and M. Costello), were won as follows: First, Eric Burell; second, T. Mullen; third, Joan McNulty and F. O'Dowd. A prize for heckling was awarded to Donald Sheehan. Miss Noonan and Messrs. O'Grady, O'Doherty, O'Donnell, Roche and Gannon also took part.

Irish Drug Association.—At the March committee meeting of the Irish Drug Association, Mr. John J. Roche (vice-president) was unanimously elected *President* for 1948 on the proposal of the outgoing president (Mr. M. Costello), seconded by Mr. F. X. Meagher. Mr. David Woulfe, 35 Grafton Street, Dublin, was elected *Vice-president* on the motion of Mr. Roche, seconded by Mr. L. G. Smith. Mr. T. C. Scott was unanimously re-elected *Treasurer*. The committee discussed points raised by members at the annual meeting of the Association, and the secretary (Mr. B. R. Smith) was instructed to communicate with certain companies whose policy in supplying direct to doctors was considered inimical to the interests of members. New members elected were Messrs. A. W. Hendy, L.P.S.I., Blackrock, co. Dublin; Michael M. Pettit, M.P.S.I., Clara, Offaly, and Forde's Pharmacy (proprietor: Mr E. J. Nolan, M.P.S.I.), Carlow.

COMPANY NEWS

EKINS & FISHER, LTD. (P.C.).—Capital £10,000. To carry on the business of chemists, etc. Thomas H. Fisher, M.P.S., and Henry L. Nevell, M.P.S., directors. R.O.: 7 Market Place, St. Albans.

W. W. ADAMS, LTD. (P.C.).—Capital £10,000. To acquire the business of a dispensing chemist carried on at 36 Cape Hill, Smethwick, Staffs. Lewis H. Teare and Brian J. Teare, directors.

STERLING DRUG, LTD. (P.C.).—Capital £100. To carry on the business of chemists and druggists, etc. First directors are to be appointed. Solicitors: McKenna & Co., 12 Whitehall, London, S.W.1.

STANLEY H. ROSS, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists and druggists, etc. Stanley H. Ross, M.P.S., Frank O'Brien and Norman C. Webb, directors. R.O.: 8 Ilderton Road, London, S.E.

GEORGE RICHARDSON (MEDICAL BOTTLES), LTD. (P.C.).—Capital £1,500. To carry on the business of dealers in bottles, corks, etc. George Richardson and Matilda Richardson, directors. R.O.: 802 Seven Sisters Road, London, N.15.

B. LAPORTE (1948), LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of chemicals, drugs and medicines, etc. First directors are to be appointed. Solicitors: Slaughter & May, 18 Austin Friars, London, E.C.

JOHN GAULTER, LTD. (P.C.).—Capital £2,000. To acquire the business now carried on at 110 New Chester Road, New Ferry, Ches., by John Gaultier, M.P.S. John Gaultier and Enid W. Gaultier, directors.

MACWILL & Co., LTD. (P.C.).—Capital £1,000. To carry on the business of dealers in chemical and pharmaceutical preparations, etc. Julius B. A. MacKee, director. R.O.: 36 John Street, Bedford Row, London, W.C.1.

F. C. HUNTLEY, LTD. (P.C.).—Capital £3,000. To carry on the business of chemists and druggists, etc. Frederick C. Huntley, M.P.S., Edith J. Huntley, Frederick J. Huntley and Stella Colling, directors. R.O.: 22 Lynn Street, W. Hartlepool.

KAYCEE HYPODERMIC SYRINGES, LTD. (P.C.).—Capital £100. To acquire the business now carried on by Kaycee & Co., at Edgware, Middlesex, and to carry on the business of manufacturers of surgical equipment, etc. Kenneth Castiglione, director. R.O.: 15 Craven Street, London, W.C.2.

H. LAWRENCE (CHEMISTS), LTD. (P.C.).—Capital £5,000. To acquire the business of chemists carried on as "H. Lawrence." Mary Lawrence, Ronald C. Lawrence and Wilfred Pollard, M.P.S., directors. R.O.: 10 Camberwell Green, London, S.E.5.

ENTERPRISES (CONGLETON), LTD. (P.C.).—Capital £2,000. To carry on the business of manufacturers and distributors of chemical products, etc. Nathan Davis, Roderick J. B. Bradbury and Alfred E. Bradbury, directors. R.O.: 62 Chestergate, Macclesfield, Ches.

METALLO CHEMICAL TRUST Co., LTD. (P.C.).—Capital £130,000. To acquire the whole of the issued share capitals of Metallo Chemical Refining Co., Ltd., and Hemingway & Co., Ltd., and to

carry on the business of manufacturers of chemical products, etc. First directors are to be appointed. Solicitors: Slaughter & May, 18 Austin Friars, London, E.C.2.

WALKER WARD (CHEMICALS), LTD. (P.C.).—Capital £5,000. To carry on the business of chemical manufacturers and merchants, etc. Leonard E. Ward, Thomas Walker and Felicia Walker, directors. R.O.: 26 Conduit Street, London, W.1.

TECHNOVEL DEVELOPMENT & TRADING, LTD. (P.C.).—Capital £100. To carry on the business of dealers in laboratory equipment of all kinds; instruments and appliances, etc. Louis Beral and Harry E. Della-Verde, directors. R.O.: 26 Charing Cross Road, London, W.C.2.

KEMBALL, BISHOP & Co., LTD.—Mr. R. F. Kemball, T.D., B.A., has been appointed a director.

DISTILLERS Co., LTD.—Mr. Henry J. Ross has been appointed chairman of the board of directors.

ASPRO, LTD.—The directors state that they will not recommend a total distribution for 1947-48 exceeding that for the previous year. The registered office of the company is now at 49 Park Lane, London, W.1.

F. W. HAMPSHIRE & Co., LTD.—Profit for the year to December 5, 1947, before provision for taxation, is £195,788, against £176,841. A final ordinary dividend of 30 per cent. is recommended, plus a bonus of 20 per cent., making 70 per cent., the same as in the previous year.

GILLETTE INDUSTRIES, LTD.—Mr. C. C. Rutherford has joined the board of directors to fill the vacancy created by the retirement of Mr. Bertram Thomas. Mr. Rutherford joined the company as assistant home sales manager in January 1934 and was appointed home sales manager in 1946.

PETROCHEMICALS, LTD.—The company, which is building a plant for the production of chemicals from oil (see C. & D., 1947.II.163) is considering the raising of further capital as a result of rising costs and some enlargement of the original plans. It is thought that more than twice the capital estimated in the prospectus will be required for the project.

BUSINESS CHANGES

ADELPHI MANUFACTURING Co., LTD., have removed to 393A City Road, London, E.C.1.

ERNEST I. LEE (PHARMACEUTICALS), LTD., have removed to 312 Deansgate, Manchester 3 (Telephone Blackfriars 9703).

MR. ROBERT T. TAYLOR, 8 Orby Parade, Castle-reagh, Belfast, has been appointed sole agent in Northern Ireland for J. Grossmith & Son, Ltd.

J. GROSSMITH & Son, LTD., have appointed Mr. A. St. B. Frost, 20 Denmark Avenue, Wimbledon, London, S.W.19, as their representative in South-east, South-west and West London.

CARNEGIE BROS., LTD., 227 Essex Road, London, N.1, have appointed Mr. G. Smyth, M.P.S., 2 Galwally Park, Ormeau Road, Belfast, as their representative in Northern Ireland.

TOPICAL REFLECTIONS

A Glasgow Discussion

Glasgow pharmacists have been discussing information available on the working of the National Health Service (pp. 411-13). The president of the Pharmaceutical Society, in an opening address, claimed that "with the magnificent record of thirty-five years' dispensing under the present National Health Insurance scheme, the pharmacist of today who was able and willing to take on the bigger job would undoubtedly make a success of it." It is as well to remember, however, that the Society's ban on the advertising of dispensing will prevent any public presentation of pharmacists' claims as dispensers unless the Ministry of Health sees fit to overrule the Society in this matter. I was interested to read, on p. 392 of the same issue of *C. & D.*, Mrs. Irvine's remark that it was "better for the individual pharmacist to decide on who were suitable people to dispense under supervision rather than have the matter controlled by regulations." Ability to choose assistants is normally a part of the mental equipment of every proprietor; without it the business is likely to suffer. Whether the president's faith in the individual pharmacist will prevail over the present fancy for controls in every department remains to be seen. As I wrote a fortnight ago, it may be useful to have a register of "dispensing technicians"; I may add that their duties should not be too rigidly limited to operations ancillary to dispensing. With Professor J. P. Todd's humorous "grouse" over the fate of his annual subscription to the Society we can all sympathise; many of us, on an analysis of the application of certain dues that we pay, might receive a shock.

Official Obscurity

The plea of the London Chamber of Commerce for greater simplicity in the wording of Statutory Rules and other public documents (p. 390) will receive hearty endorsement in commercial circles. Departmental verbosity, thus brought into the limelight, recalls to memory the tenth chapter of "Little Dorrit," with its description of the Circumlocution Office. Dickens's satire seems a little heavy after an interval of nearly a century, but we must admire the gusto with which he attacks. As an example, the following dialogue (in which the principal speaker is a member of the Barnacle family) will serve: "Then you'll find out what Department the contract was

in, and then you'll find out all about it there." "I beg your pardon. How shall I find out?" "Why, you'll—you'll ask till they tell you. Then you'll memorialise that Department (according to regular forms which you'll find out) for leave to memorialise this Department. If you get it (which you may after a time), that memorial must be entered in that Department, sent to be registered in this Department, sent back to be signed by that Department, sent back to be countersigned by this Department, and then it will begin to be regularly before that Department. You'll find out when the business passes through each of these stages by asking at both Departments till they tell you." Someone may point out that commercial associations are now concerned with a rather different problem, the tortuous windings of official phraseology. For a specimen of that we need not go back to Dickens. Section 12 (5) of the Pharmacy and Medicines Act, 1941, will supply all we are looking for.

British Pharmacopœia, 1898

The coming into force at an early date of the new British Pharmacopœia gives an added topicality to your retrospective paragraph on p. 309. If memory may be trusted, we were a little disappointed with the Fourth B.P. on its appearance. Possibly we had expected too much. Some of the younger pharmacists were in favour of more thorough changes; and among their older colleagues there were cases of annoyance when titles, strengths, doses or all of these were found to have been altered. Additions, deletions and changes of title, composition or strength, were numerous; one may suppose that students liable to be examined on the new book regarded it as a burden—not to say an incubus. The introduction of nine *liqueores concentrati* was a bold step; it may be remembered that these galenicals were dropped when the 1914 Pharmacopœia was compiled. They were then said in the preface to have been little used, a statement in accordance with the general experience. Pharmacy was not so completely relegated to the background by the General Medical Council in and before 1898 as is sometimes supposed. The editor of B.P., 1898, was Dr. John Attfield; experts described as referees included Mr. E. M. Holmes, and a committee consisting of twelve members to act in advisory capacity was also appointed by the Pharmaceutical Society.

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DEATHS

CHALMERS.—At his home, 3 St. Phillan's Place, East Newport, Fife, Mr. Andrew Chalmers, aged seventy-seven. A native of Kinghorn, Mr. Chalmers qualified as a chemist and druggist in 1898, and was for thirty-one years in business as a chemist at Pierhead, Newport. He is survived by his widow and a son.

COATES.—On March 17, Mr. Walter Coates, 19 Yarborough Road, Southsea, Hants, formerly of Outwell, Wisbech, Cambs, aged sixty-seven. Mr. Coates qualified as a chemist and druggist in 1903.

DE LA RUE.—Recently (two days after his seventy-sixth birthday), Mr. Frank Herbert de la Rue, 22 States Arcade, Guernsey, Channel Islands. Mr. de la Rue qualified as a chemist and druggist in 1893 and was in business in Guernsey until he sold his pharmacy about ten years ago. He was well-known for his public work in connection with the local hospital, of the committee of which he had been president for more than twenty years. He was also prominent in church and social-welfare work, and held a number of voluntary island and parochial administrative positions.

FORRESTER.—Suddenly, at his home, 11 Maybury Road, Barton, Midlothian, recently, Mr. Alexander Harrow Forrester, M.P.S. Mr. Forrester was the eldest son of the late Mr. Andrew Forrester, chemist and druggist, The Cross, Dysart. He qualified in 1896 and was in business at 141 Rosslyn Street and 142 St. Clair Street, Kirkcaldy, Fife, until his retirement about ten years ago. He is survived by his widow, two sons and a daughter.

FRANCIS.—At 18 Hickman Road, Penarth, Glam, on March 15, Mr. Henry Francis, M.P.S., 1 Windsor Terrace, Penarth, aged seventy-nine.

GILCHRIST.—Suddenly, at 36 Wellbrae Terrace, Aberdeen, on March 9, Mrs. Ella Mary Beaton Gilchrist, widow of the late Mr. Adam Gilchrist, M.P.S., Huntly, Aberdeens.

HEWER.—On March 1, Miss Dorothy G. Hewer, B.Sc. (Lond.) (Herb Farm, Ltd., Seal, Sevenoaks, Kent), aged fifty-nine. Miss Hewer was the author of "Practical Herb Growing." Through her pioneer work, begun twenty-three years ago, she built up the Herb Farm, acquiring a name for supplying rare plants and herbs and pot-pourri of quality. She undertook the

training of women students, some of whom now run their own farms, and directed the Herb Farm as an advisory and educational centre for disseminating information by lectures, demonstrations and personal contacts.

JONES.—Recently, after a long illness, Mr. Charles Frederick Thomas Jones, M.P.S., 143 Castle Road, Bedford, aged fifty-one. A native of Porthcawl, Glam, Mr. Jones served his apprenticeship locally and qualified in 1920. He was discharged as an invalid after service in the war of 1914-18, and was for about thirty years in business in Bedford.

LENGDEN.—On March 14, Mr. William Albert Victor Lengden, M.P.S., 337 High Street, Cheltenham, Glos, aged fifty-two.

STEVENS.—On March 20, Mr. William Arthur Stevens, M.P.S., 232 Portland Road, Hove, 3, aged sixty-one.

TURLEY.—Recently Mr. John Turley, M.P.S., 21 High Street, Bognor Regis, Sussex. Mr. Turley qualified in 1922 and was superintendent of Long & Strickland, Ltd., Bognor Regis.

WILLS

Mr. G. G. J. PAYNE, M.P.S., 22 St. Margaret's Road, Twickenham, Middlesex, left £5,626, with net personality £5,578.

Mr. J. P. WHEELER, M.P.S., 73 Maidstone Road, Chatham, Kent, formerly of Hampstead, left £14,108, with net personality £13,960.

Mr. S. BUNTING, M.P.S., Towers Lodge, Coalville, Leics, formerly of Weston, Sutton-on-Trent, nr. Derby, left £4,402, with net personality £4,366.

Mr. A. WHITAKER, M.P.S., 204 Ashby Road, Loughborough, Leics, formerly manager for Boots, Ltd., Loughborough, left £2,776, with net personality £2,699.

Mr. WILLIAM MILES BRAMLEY, M.P.S., Kynaston Place, Much Marcle, Ledbury, Herefords, formerly of Birmingham, left £12,083, with net personality £11,889.

LIEUTENANT-COLONEL E. BRIGGS, C.V.E., D.S.O., Peyton Hall, Boxford, Suffolk, formerly chairman of the Vinolia Co., Ltd., left £58,207, with net personality £39,167.

Mr. H. D. DUFFIELD, 10 Castle Hill Avenue, Folkestone, Kent, formerly of 28 Newlands Avenue, Thames Ditton, Surrey, and Hampton, Middlesex, retired pharmacist, left £10,846, with net personality £8,855.

Mr. IVOR HOWELLS, M.P.S., 39 Bittacy Rise, Mill Hill, London, N.W.7, and 22 Beech Street, Ferndale, Glam, assistant pharmacist at the Moorfields, Westminster and Central Eye Hospital, City Road, London, E.C.1, left £2,357, with net personality £2,294.

PERSONALITIES

Mr. W. J. ADAMSON, L.P.S.I., is retiring from the position of compounder of medicines at Ballina dispensary after over forty years' continuous service.

Mr. JOHN J. ROCHE, M.P.S.I., who has been elected president

of the Irish Drug Association for the year (see p. 423), is director of J. J. Roche & Co., Ltd., O'Connell Street, Dublin. Born in Enniscorthy, co. Wexford, he was apprenticed in Gorman's pharmacy, Waterford, and in 1915 came to Dublin, qualifying as a licentiate of the Irish Pharmaceutical Society two years later. Mr.

Roche opened his first pharmacy at Donnybrook, Dublin, in 1922, and was subsequently joined by his brothers Messrs. A. F. and W. H. Roche, MM.P.S.I., to form the company to operate with branches at Upper Ormond Quay and Upper Rathmines. In 1924 the company's largest pharmacy at 50 Lower O'Connell Street, Dublin, was opened; it has now become the head office. More recently, the pharmaceutical business of Wells & Son, 61 Upper O'Connell Street, Dublin, was also taken over. The new president, who was one of the founders of the Dublin Drug Company (later acquired by P. C. Cahill & Co., Ltd.), has always taken a most active part in pharmaceutical and trade matters. For several years he was a member of the Council of the Pharmaceutical Society of Ireland, and has been a member of the I.D.A. committee for over a decade. He is a founder member of the Irish Chemists' Golfing Society, of which he has been captain, and is at present treasurer. He is this year's chairman of the Eire Branch of the Photographic Dealers' Association.

Miss MARY AGNES WALSHE, L.P.S.I., Currane, Tourlestrane, co. Sligo, was recently received as a postulant in the Medical Missionaries of Mary at Drogheda.

THE REV. C. E. RAVEN, D.D. (Vice-Chancellor of the University of Cambridge) has been awarded an honorary D.Sc. degree by Manchester University for contributions to the history of scientific studies.

SIR HARRY JEPHCOTT (chairman and managing director of Glaxo Laboratories, Ltd.), who has been on a several weeks' visit to South and East Africa and Rhodesia, returned to England on March 22.

Mr. FRED STOREY, C.B.E., M.P.S.N.I., (a past president of the Pharmaceutical Society of Northern Ireland, and president of the Chemists' and Druggists' Society of Ireland) has been appointed a member of the newly appointed Tourist Board in Ulster. He is chairman of the Ulster Tourist Development Association.

Mr. C. H. POORE, who is employed in the men's fitting room of S. Maw, Son & Sons, Ltd., was presented with a cheque by the directors of the company, and by a cheque and rifle from his colleagues, at a ceremony at Barnet recently held to celebrate his completion of fifty years' service with the company.

NEWLY elected Fellows of the Royal Society include Drs. D. M. NEEDHAM, Cambridge University (distinguished for her work on the biochemistry of muscle), S. PEAT, University of Birmingham (distinguished for his contributions to the constitution and synthesis of carbohydrates) and R. G. S. SNOW, Fellow of Magdalen College, Oxford (distinguished for work on plant hormones and growth).

A PHARMACIST'S ANTHOLOGY

At first Father took little interest in his disease. He seemed to consider it rather a pointless complaint that was getting him nowhere. . . . As time went on, however, Father did get quite fond of his diabetes, but it never really won his affection as much as had his chest and his weak heart. True, one could not experiment with physics. The treatment of diet and hypodermic injections of insulin was very much a cut and dried affair, but Father found some scope for experiment in varying the insulin doses, sometimes to such an extent that again only his strong constitution saved him. The urine tests were entertaining, and I have seen his eyes become quite animated when the precipitate was the heavy yellow that showed an alarming quantity of sugar in the system. But he never thought of it as a fatal disease.

From "The Man in Our Lives," by John Guthrie.

TRADE NOTES

Price List of Perfumes.—An eight-page quarto illustrated catalogue of perfumery and cosmetic products has been issued by Coty (England), Ltd., 3 Stratford Place, London, W.1.

Bonus Offer.—A special offer allowing additional profits to the retailer on sales of Pomp liquid moth-proofer and Pomp DDT powder is being made by the manufacturers, R. Demuth, Ltd., Farnham, Surrey, until May 1.

Combing Hair-brush.—Halex, Ltd., Hale End, London, E.4, are nationally advertising their Halex combing brush which, they claim, "will prove the fastest-selling hair-brush that ever crossed a counter."

Stock Control.—The Purchasing Officers' Association, 17 Henrietta Street, London, W.C.2, has published a 21-page booklet, price 2s., entitled "Stock Control." The author is W. Gildon, M.Inst.T., a member of the Association.

Stand at Exhibition.—Koko-Maricopas Co., Ltd., 3 Fleet Lane, London, E.C.4, exhibited at the Ideal Home exhibition at Olympia, London, recently, their product Koko cream shampoo. The central motif of the stand was a "deep picture" of a model in the same pose as the illustration featured in advertisements for the product.

Liquid Soapless Shampoo.—Duncan, Harris & Co., Ltd., 16 Temple Chambers, London, E.C.4, have introduced Shilk perfumed liquid soapless shampoo "for lustrous, sun-lit hair." The shampoo is issued in square-section bottles with smartly designed black and white label. A showcard is available.

New Kaolin Poultrice.—Carnegie Bros., Ltd., 227 Essex Road, London, N.1, are the manufacturers of C.P.10, a new ready-spread antiphlogistic kaolin poultrice which is available in the following sizes: 2 in. x 2 in. (three pieces); 4 in. x 3 in. (three pieces); and 8 in. x 6 in. (one piece). The 2 in. x 2 in. size is available in an attractive display carton.

Canine Insecticide.—Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts, announce that Kur-mange, made to the original derris formula, is again available. The preparation is an insecticidal dressing for the treatment of skin eruptions and "mangy condition" in dogs. It is in 4-oz. drums in outers of one doz.

Feeding-bottle Teats.—A teat "with all the selling points" is illustrated and described on another page by J. ALLEN & Co., Cheltenham, England. The teat is cushioned "for mouth comfort," has a divided stem to secure easy fit upon the bottle, is made of pure latex, and is of "anti-colic" design. —The Modern "anti-colic" teat, issued by the CANNON RUBBER MANUFACTURERS, LTD., London, N.17, is illustrated on another page; the teat is being extensively advertised in the national Press.

Chemicals and Reagents.—Among advertisers who draw attention in this week's issue to the chemicals of which they are suppliers are ALBRIGHT & WILSON, LTD., 49 Park Lane, London, W.1 (phosphates, carbon tetrachloride, sodium alginate, etc.); W. J. BUSH & Co., LTD., London, E.8 (pharmaceutical, fine and aromatic chemicals of which a list is given); and H. H. HUFFER & B. A. SMITH, LTD., London Road, Thornton Heath, Surrey (Cupferron ammonium nitroso-phenylhydroxylamine analytical reagent).

French Floral Concretes.—As the first step towards a closer association between W. J. Bush & Co., Ltd., Ash Grove, Hackney, London, E.8, and Etablissement J. Henri Moutet, Grasse, France, Messrs. Bush are again holding stocks of French floral concretes which, with the liquids and absolutes derived therefrom, they are offering to customers under a new Moutet-Bush label. The facts that the London-made absolutes are not subject to the 10 per cent. import duty imposed upon similar products of French manufacture, and that other expenses associated with such imports are also absent, are reflected in the prices of the products. Purchases are subject to a declaration that they will be used in the ratio of 75 per cent. export to 25 per cent. home trade, and sales are made only against such a guarantee. A list of the concretes available may be obtained from the company at the address given above.

Organisational Changes.—Allcock Products, Ltd., state that home trade orders for Allcock's porous plasters, Dr. Brandreth's pills, Nailoid, Scan, Trims, Velus and Tubol, should be forwarded direct to the company's sole distributing agents, Ashley & Weeks, Ltd., 165 Mitcham Road, London, S.W.17. Export orders should be forwarded direct to the sole export agents, L. E. Vincent & Partners, Ltd., 7 Chesterfield Gardens, London, W.1. Remittances

due to and from the company will be dealt with by the secretary-accountant, Mr. W. H. Brundell, 223 Warbreck Moor, Liverpool, 9. Deliveries of all materials remaining on order should be delivered to Ashley & Weeks, Ltd.; payments, unless otherwise arranged, will be made by Allcock Products, Ltd. Invoices should be rendered to Ashley & Weeks, Ltd., who will pass them on to the company's secretary for

payment; statements should be rendered to Mr. Brundell. Advertising and policy will be controlled by the managing director of Messrs. Allcock: Mr. W. M. Carpenter, Lea Hall, Lea Cross, Shropshire. The company's registered address is 37 Canning Street, Birkenhead, but it is requested by Messrs. Allcock that all routine correspondence should be sent to one of the addresses given above.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

EXPORT forms are to remain substantially unaltered. MR. HAROLD WILSON told the House of Commons on March 25 that the working party he had appointed in November 1947 to examine forms required by Government Departments in this country, forms for which shippers and others were responsible, and forms required by overseas governments, had completed the first part of its task. He informed Mr. C. W. GIBSON that the results would be published shortly in the "Board of Trade Journal." After a careful review, the working party was satisfied that there was no undue delay in handling the forms; that the arrangements for dealing with them were sufficiently flexible to meet the circumstances; and that in general their scope and form could not be modified so long as the present controls had to be maintained. Certain minor amendments of procedure were suggested. These were being implemented by the departments. MR. WILSON said he was glad to find "confirmation of my own view that exporters are not worried by unnecessary forms or unimaginative procedure." The working party now goes on to examine forms required by banks, shippers and the like.

MR. C. OSBORNE asked if there was any hope of the number of these forms being reduced in the near future, and MR. WILSON replied "So far as the forms required for direct export are concerned, I think the working party was satisfied that it was impossible to reduce the number."

Scientific Man-power

Scientific man-power was the subject of a question by MR. B. JANNER on March 25. He asked the Chancellor of the Exchequer details of the output of such man-power in Britain at present, compared with the estimates and targets of the Barlow Committee, and how the estimates with regard to the output of such man-power during the next

five years now compared with the figures in the report of the Barlow Committee.

MR. DOUGLAS JAY (Economic Secretary to the Treasury): The Barlow Committee recommended doubling the pre-war output of graduates in Science and Technology so soon as possible. On the best estimate available the increase will be realised within the next two years, and is likely to be maintained thereafter. Expansion beyond that level depends on the rate at which additional accommodation can be provided at the Universities.

Tenancies in Scotland

Government action to deal with threatened evictions of shopkeepers and other tenants in Scotland was announced by MR. A. WOODBURN on March 26. The Government, he said, had requisitioning powers under the Defence Regulations to secure a sufficiency of supplies and services essential to the well-being of the community, or their availability at a fair price, and to ensure generally that the whole resources of the community were available for use, and were used in the manner best calculated to serve the interests of the community. In cases where eviction would result in an interference with any of the foregoing purposes, requisitioning powers might be exercised.

Health Service Priorities

The Minister of Health was asked by SIR ERNEST GRAHAM-LITTLE on March 26 to indicate the priorities which, in present circumstances, could be given in providing the buildings necessary for fulfilment of the National Health Service Act, including health centres and hospitals. MR. ANEURIN BEVAN replied that only the most urgent needs could be met at the moment but, when conditions permitted, provision would be made for the development of all services under the Act.

APPROVED TAX-FREE DRUGS

THE Treasury has issued an Order (the Purchase Tax (No. 1) Order, 1948, S.I., 1948, No. 608) which brought into force on April 1 a new list of drugs which are free of purchase tax. The new list supersedes the previous list published in the Purchase Tax (Exemption) No. 1 Order, 1941 (a) as extended by the Purchase Tax (Exemption) (No. 2) Order, 1945, (b). Every article exempted in previous orders continues to be exempt, but the method of arrangement is different.

The new list corresponds to the proposed list published in THE CHEMIST AND DRUGGIST, February 7, pp. 176-79, with the following additions and deletions:—

Head I

ADDITIONS :—

Any one of the following substances, prepared for use by injection :—

Aqueous solutions of glucose or sodium chloride, whether containing a preservative or not ;

Protein desensitising solutions ;

Protein hydrolysates, whether containing sugars or flavouring agents, or not.

DELETIONS :—

Protein desensitising solutions, prepared for use by injection ;

The diethylamine salt of 5:5-diethylbarbituric acid and the diethylamine salt of 5-allyl-5-isopropylbarbituric acid prepared together for use by injection.

Head II

Any one of the substances and preparations described under this head with or without one or more of the following things, namely, an excipient, vehicle, base or preservative :—

ADDITIONS :—

Allyl-isopropyl-acetylurea ;

The allyl-isopropyl-barbiturate of amidopyrine, and any admixture thereof with amidopyrine ;

Benzyl benzoate, and preparations containing not less than 25 per cent. of benzyl benzoate :

p p¹-diamino diphenyl sulphone, and derivatives thereof ;

p p¹-diaminophenylpyridyl sulphone, and derivatives thereof ;

The diethylamide of 3:5-dimethylisoxazol-4-carboxylic acid ;

a: β -dihydroxy- γ - (2-methylphenoxy)-propane ;

Dimethylquinolyl methylsulphate urea ;

The acid phosphate of the 3-diethyl-

amino-2:2-dimethylpropanol ester of tropic acid ;

DELETIONS :—

Phemitone ;

Phenytol soluble and any combination thereof with phenobarbitone.

Head III

The substances described under this head, and preparations consisting only of one of those substances and one or more of the following things, namely, an excipient, vehicle, base or preservative, or of two or more of those substances whether with one or more of the following things, namely, an excipient, vehicle, base or preservative, or not :—

ADDITIONS :—

Para -(2 - amino - 4 - hydroxy-6-pteridyl) methylamino-N-benzoyl glutamic acid or derivatives thereof, whether combined with a salt of iron or not ;

p-aminosalicylic acid, and salts thereof, derivatives of p-aminosalicylic acid, and salts of such derivatives ;

Amphetamine, and salts thereof, derivatives of amphetamine, and salts of such derivatives ;

Atropine, and salts and derivatives thereof ;

Barbituric acid and thiobarbituric acid, derivatives and salts thereof ;

Betaine, and salts thereof ;

Caffeine, and caffeine citrate ;

4¹-Carboxyphenylmethane sulphonanilide ;

Cinchona alkaloids, and salts thereof ;

dl-2-dimethylamino-4:4-diphenyl heptane-5-one, and salts thereof ;

Ergot, and alkaloids thereof, derivatives of such alkaloids, and salts of such alkaloids or of their derivatives ;

Esters of amino alcohols with benzoic acid (whether substituted or not), and salts thereof ;

Hydantoin derivatives, and salts thereof ;

Iodochlorhydroxyquinoline ;

Liver extracts and active principles of liver whether or not combined with a salt of iron or dried yeast ;

2-(naphthylmethyl)-imidazoline, and salts thereof ;

Penicillin, having the meaning assigned to it by regulations for the time being in force under the Therapeutic Substances Act, 1925 ;

1-phenyl-cyclopentane-1-carboxylic acid diethyl-aminoethyl ester, and salts thereof ;

Extracts of the anterior lobe of the pituitary gland;
 Strychnine, and salts thereof;
 Theobromine;
 Theophylline, whether combined with ethylene diamine or not;
 Thiouracil, and derivatives thereof;
 3:3:5-trimethyl-oxazolidine-2:4-dione;
 Preparations of stomach containing the hæmopoietic principle thereof in a concentrated form and preparations consisting only of any such preparation of stomach as aforesaid and a salt of iron or dried yeast;

The following substances, and salts and derivatives thereof:—

N¹ - phenyl - N¹ - benzyl - N - dimethylethylenediamine;
 N¹ - pyridyl - N¹ - benzyl - N - dimethylethylenediamine;
 N¹ - p - methoxybenzyl - N¹ - pyridyl - N-dimethylethylenediamine;
 β -dimethylaminoethyl-benzhydriyl-ether;
 2-phenyl-benzyl-aminomethylimidazoline;
 N¹ - phenyl - N¹ - ethyl - N - dimethylethylenediamine;
 α -(3:4 dihydroxyphenyl) - β - isopropylamine ethanol;
 N¹ - phenyl - N¹ - ethyl - N - diethylethylenediamine;
 3¹ - di(n-butyl)amino - methyl - 4:5:6-trihydroxy-benzo (1:2-c) furan-1³(3¹)-one;
 N - dimethylaminoethyl - N - p - methoxybenzyl- α -amino-pyridine.

DELETIONS:—

Amethocaine hydrochloride;
 Para-(2 - amino - 4 - hydroxy-6-pteridyl) methyl amino-N-benzoyl glutamic acid and combinations of this substance with a salt of iron;
 Amylocaine hydrochloride;
 Ergometrine, and salts thereof;
 Ergotamine, and salts thereof;
 Hexobarbitone, and hexobarbitone soluble;
 Liver extracts and active principles of liver whether or not combined with a salt of iron;
 Penicillin salts as defined by paragraph 1 of the Schedule added by the Therapeutic Substances Amendment (No. 2) Regulations, 1944 (made under the Therapeutic Substances Act, 1925), to the Therapeutic Substances Regulations, 1931 (so made), as in force on October 9, 1945;
 Pentobarbitone, and soluble pentobarbitone;
 Procaine and salts thereof;
 The sodium salt of 1-methyl-5-allyl-5-isopropylbarbituric acid;

The sodium salt of 5-ethyl-5 (α -methylbutyl)-thiobarbituric acid;
 The sodium salt of 5-ethyl-5 (γ -methylbutyl)-thiobarbituric acid;
 The sodium salt of 5- Δ^2 -cyclohexenyl-5-allyl-thiobarbituric acid;
 Preparations of stomach containing the hæmopoietic principle thereof in a concentrated form and preparations consisting only of any such preparation of stomach as aforesaid and a salt of iron.

C.F. AND PURCHASE TAX

FOLLOWING the adoption at the annual meeting of Chemists Federation manufacturers on January 29, of a resolution calling upon the Council of the Federation to ask the Chancellor of the Exchequer to exempt all C.F. medicines from purchase tax, the Council has made representations to the Chancellor pointing out that the Federation is the only pharmaceutical body which has adopted comprehensive standards to cover all aspects of the marketing of proprietary medicines.

The Council considers:—

(i) The present method of exempting selected individual products has caused many anomalies.

(ii) The exemption of groups of products would be an advance, but there might be difficulty in evolving criteria.

(iii) The exemption of all medicines supplied mainly on doctors' prescriptions, orders and recommendations, and not advertised to the lay public (e.g., Class A products of the Chemists Federation) would avoid the disadvantages of the above methods.

(iv) The exemption of all medicinal products under (iii) above and, in addition, of preparations supplied to the public as household or domestic remedies which satisfy certain standards concerning quality and claims made (e.g., Class B products of the Chemists Federation), would provide a satisfactory system of exemptions.

The Council therefore suggests as a basis for further consideration:—

(1) That all medicinal preparations supplied mainly on doctors' prescriptions, orders and recommendations, and not advertised to the lay public (a category to be formally defined by a statutory advisory committee), should be automatically exempt from purchase tax.

(2) That household or domestic remedies satisfying certain standards (to be established by the advisory committee) should be exempted individually on application.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE March meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on March 19, the president (Mr. John McGregor) in the chair. Also present were Messrs. H. H. Cowzer (vice-president), P. R. W. Shinner (treasurer), J. Glendinning, H. F. Moore, F. R. Moore, J.P., W. H. Boyd, J. Irwin, H. W. Gamble, W. P. Ewart, C. Abernethy and Walter C. Tate, and Professor E. B. C. Mayrs.

THE SECRETARY (Mr. W. Gorman) reported that he had been in touch with the Ministry of Education to inquire when the report on the teaching of physics would be available. He had been informed that reports were being rendered to the Ministry on biology, botany and zoology, but that it would be best to wait for the end of the academic year for a full report on the course. The Council decided to leave further action to the secretary and the Education Committee.

The receipt of £836 (representing the balance of licence fees payable to the Society up to February 29) from the Ministry of Home Affairs was reported.

New Dangerous Drugs

Notice was also received from the Ministry of Home Affairs that the following drugs were brought under the control of the Dangerous Drugs Acts on March 1:—

Amidone (*dl*-2-dimethylamino-4:4-diphenyl-heptane-5-one), its salts and any preparation, admixture, extract or other substance containing any proportion of amidone.

Methyl dihydromorphinone (commonly known as metopon), its salts and any preparation, admixture, extract or other substance containing any proportion of methyl dihydromorphinone.

In reply to a question, Mr. McGregor stated that Physeptone came within the Dangerous Drug Regulations.

It was also notified by the Ministry that Mr. J. N. Patterson (pharmacy inspector) had been appointed to enforce the provisions of the Penicillin Act, and that approval had been given to the examiners appointed by the Society for the June examinations.

In a further letter the Ministry detailed changes relating to relaxations in the sale of nicotine dusts for horticultural purposes, sulphonamide drugs when contained in

ointments for external use, and surgical spirit, which had been made in the Regulations in Great Britain, and suggested that where appropriate the same changes should be made in Northern Ireland. After discussion it was agreed that resolutions should be tabled to give effect to the changes. It was decided the amendment dealing with sulphonamides should be framed to cover any external preparation for the nose, eye or throat.

MR. SHINNER asked whether every new synthetic drug should have a new section in the D.D.A. register and suggested that they should all be included in one section. It was agreed that the point should be put to the pharmacy inspector.

MR. SHINNER also introduced a discussion on the purchase of equipment which, he said, should be available to enhance the value of the lectures arranged by the Society. No organisation such as the Society, he thought, should be without an epidiascope or a sound-film projector. It was decided that the cost of such apparatus should be ascertained.

FOAM FIRE-EXTINGUISHERS

THE results of war-time work on the value of different types of foam in combating petrol fires, and on the theory of foam structure, have been published in a special report of the Department of Scientific and Industrial Research. Some forty different substances, including hydrolysed keratins, wetting agents, and soap solutions were used in the experiments, and the trials led to the conclusion that the most suitable foam-producing agents for petrol fire-fighting were products of the alkaline hydrolysis of protein, stabilised by metal salts or saponin.

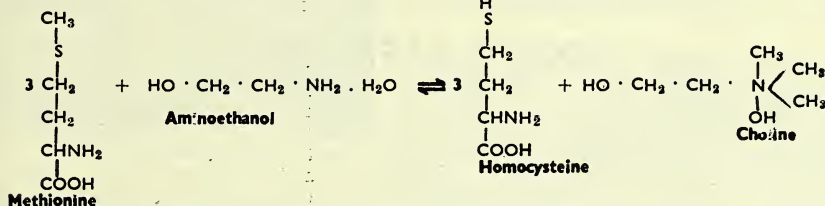
Properties Desired

The most important properties of a foam for petrol-fire fighting are: Resistance to heat; expansion (i.e., increase of volume in the foaming liquid caused by dispersion of a gas in it); and resistance to the foam-breaking action of petrol. Foam-producing apparatus commonly used was found not to give optimum dispersion of air in the liquid. Copies of the report, "Chemistry Research No. 6," may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 2s. 6d. each.

INVESTIGATION OF METHIONINE WITH ISOTOPES

IN an address given by Mr. C. P. Stewart, M.Sc., Ph.D., (reader in clinical chemistry, University of Edinburgh) to the North British Branch of the Pharmaceutical Society, recently, the lecturer said that the use of isotopes became important in investigating the chemistry of methionine at a point when two ideas had emerged, namely that methionine can be converted to cysteine, and that the methyl group of methionine is labile. These ideas were founded on presumptive evidence. For proof, it had to be possible to identify an essential part of the cysteine molecule as having come from methionine and from nowhere else—to identify, for example, methyl groups in choline, creatine, etc., as having once formed part of methionine molecules. A means of "labelling" key parts of the methionine molecule was therefore needed. Isotopes provided the means.

methionine and deuterio-choline. When deuterio-methionine was fed to rats on a diet free from methionine and choline, the creatinine in the urine (from creatine of the tissues) contained deuterio-methyl, as did the choline in the tissues. As the duration of the experiment lengthened, the proportion of the total creatinine and choline, which deuterium analyses proved to be derived from methionine, gradually increased to a maximum of 85 per cent. The body contained ordinary methionine and choline at the beginning of the experiment, so not all the creatinine and choline subsequently found could be expected to have come from the deuterio-methionine fed to the rats. Calculation showed that creatine derived its methyl group from methionine and that it could not obtain any considerable amount from any other source. The hypothesis that methionine acts as a gen-



The first use made of the new approach was in demonstrating that it was possible to transfer the methyl group from methionine to choline and back again. For this, methionine was synthesised with a methyl group in which deuterium took the place of hydrogen. When the "labelled" methionine was fed to choline-deficient rats, choline could be isolated with the deuterium-labelled methyl groups. Conversely, when deuterio-choline was fed along with homocysteine, the methionine that was subsequently isolated from the body proteins contained deuterio-methyl groups. The postulated relationship between methionine and choline was thus proved, but no light was thrown on the identity of the substance that accepted the methyl group from methionine to form choline. Amino-ethanol was an obvious suggestion; it was shown to be correct when amino-ethanol in which the nitrogen was the N^{15} isotope was used and the "label" was found in the choline produced. Hence the reaction shown above can be regarded as proved.

The idea of "transmethylation" has been extended by the use of deuterio-

eral biological methylating agent has thus found support.

Mechanism of Reactions

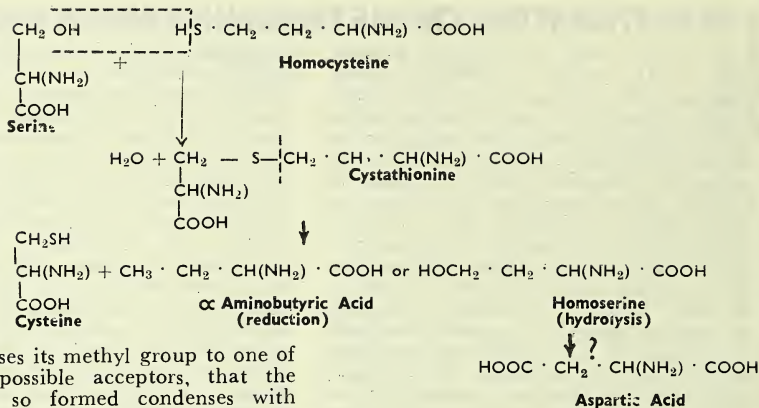
In investigating the problem of the cysteine-methionine relationship, the first step was to prove the suggested production of cysteine from methionine. Here the sulphur atom must obviously provide the key. Proof was forthcoming when methionine containing radioactive sulphur (S^{35}) was synthesised, fed to rats, and the "label" found in the cysteine of the body proteins. In the problem of the mechanism of the process, two groups of hypotheses can be advanced. According to one, the cysteine derives not only its sulphur but also its carbon from methionine. According to the other, methionine loses its methyl group in one or other of the transmethylation reactions, and the SH group of homocysteine is then transferred to an acceptor (possibly amino-acrylic acid, possibly serine) and so gives cysteine, of which only the sulphur is derived from methionine.

Experiments in synthesising methionine with S^{34} isotope and with C^{13} in the β and

γ positions showed that the synthesis of cysteine must involve the transfer of the sulphur from methionine to some other acceptor, which was shown to be serine. It now appears likely that

methionine loses its methyl group to one of the various possible acceptors, that the homocysteine so formed condenses with serine to form cystathionine, which then splits, either by hydrolysis or reduction, to produce cysteine (see scheme).

The theory cannot yet be regarded as proved but it may reasonably be expected



that work with methionine or homocysteine containing C^{13} in the key β and γ positions will soon lead to the complete solution of the problem of cysteine synthesis.

RECENT RESEARCH

Destruction of Locusts. — Spraying dinitro-ortho-cresol from aircraft is stated by Gunn ("Nature," March 6, p. 342) as having proved "dramatically successful" in a campaign against locusts in Africa. In one operation a 98 per cent. mortality was obtained from a spraying of $\frac{1}{2}$ -gall. per acre; in another, 95 per cent. mortality from 0.7 gall. per acre; and in a third, practically 100 per cent. mortality from just over 1 gall. per acre. The locusts attacked were roosting adult insects.

Procaine Penicillin. — Trials of a crystalline penicillin complex, produced by chemical combination between procaine and penicillin, and intended to procure prolonged therapeutic blood levels of penicillin, are described by Sullivan and others ("Science," February 13, p. 169). The crystals were soluble about 7,000 units per c.c. in oil, oil-and-water emulsion, or physiological saline, and contained not less than 90 per cent. penicillin II (G) with a potency of 940 units per mgm. In the oil suspension used, at least 50 per cent. by weight of the particles were 50μ or more in length. In tests on animals, administration of a suspension of procaine penicillin crystals resulted in the slow release of penicillin II over prolonged periods. Blood-level determinations were carried out on hospitalised patients at various intervals after the administration of a single dose of a sus-

pension of procaine penicillin in cottonseed oil. In only one of seventeen patients who had each received 300,000 units was the blood penicillin below therapeutic level after twenty-four hours. One patient receiving 900,000 units had a therapeutic blood level after thirty-six hours, and another receiving 1,200,000 units had a therapeutic blood level forty-eight hours after the injection.

Intestinal Carminatives Compared.

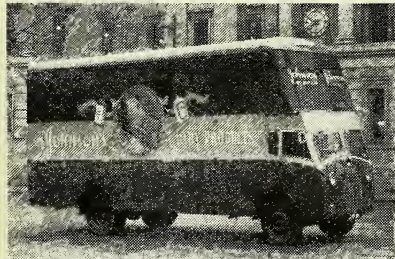
The value of different remedies for expediting the passage of flatus from the bowel has been assessed by Alstead & Patterson ("Lancet," March 20, p. 437) by a method of their own devising, through which the flatus is collected by downward displacement of water in a jar. Each new level and the time of passing wind are recorded by the patient himself. The authors find that oral administration of a carminative mixture is without effect in increasing the output of flatus. So were hot turpentine fomentations on the abdomen, radiant heat, and the injection of carbachol. Physostigmine and prostigmin were only occasionally effective, and large doses of them were impracticable owing to unpleasant side effects. Provided the rectum was empty and a rectal tube or in-dwelling catheter used, pituitrin administered intramuscularly in full doses gave good results, the authors state, in 90 per cent. of cases.



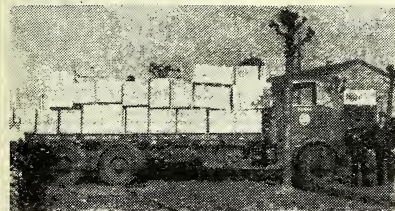
AT IDEAL HOME EXHIBITION. Salespeople at stand of Thompson & Capper, Wholesale, Ltd., Speke, at Olympia, recently.



STAFF AT CELEBRATION DINNER. Employees of Harts the Chemists (Derby), Ltd., with directors at record-year dinner (see p. 422)

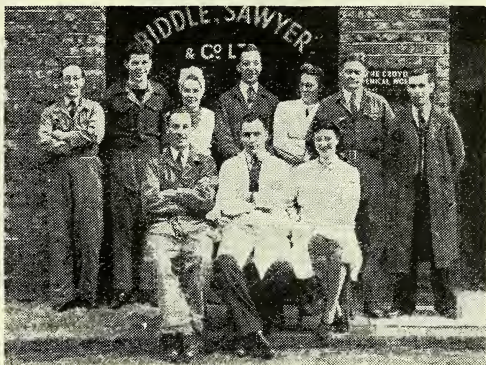


HAND-PAINTED VAN. New van of Johnson & Johnson (Great Britain), Ltd., Slough, bears hand-painted baby on blue ground.

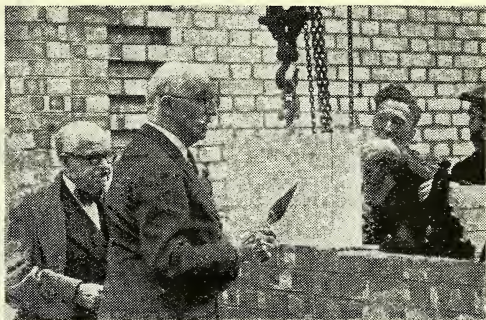


FIRST POST-WAR EXPORT TO AUSTRALIA. Lorry carrying 6½ tons 4711 eau de Cologne leaving makers' Slough works.

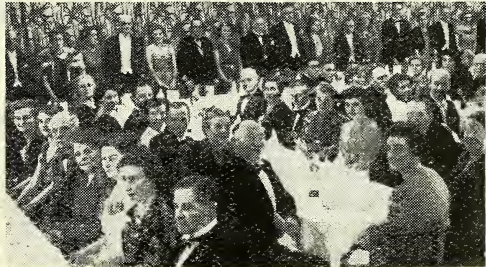
NEWS in PICTURES



WAREHOUSE STAFF. Staff at Bruton Lane, London, drug and chemical warehouse of Biddle, Sawyer & Co., Ltd., drug merchants, Grafton Street, W.1.



FOUNDATION STONE-LAYING. Major J. S. Mason (chairman, Brand & Co., Ltd.) lays foundation stone at extension to factory at South Lambeth Road, London.



BRANCH DINNER AT EASTBOURNE. Scene at annual dinner of Eastbourne Branch, Pharmaceutical Society, on March 10. The guest of honour was the mayor of Eastbourne.

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VOL. CXLIX APRIL 3, 1948 No. 3554

Health Service Machinery

THREE orders issued as Statutory Instruments by the Ministry of Health (see pp. 439-45) establish the framework within which the National Health Service will operate, so far, at least, as it affects doctors, chemists and dentists. The General Medical and Pharmaceutical Services Regulations (S.I., 1948, No. 506) are in nine parts, with four schedules. The Parts with which pharmacists are mainly concerned are VII ("Chemists") and VIII ("Medical Practitioners and Chemists") and the Schedules, Nos. 3 ("List of prescribed appliances and chemical reagents") and 4 ("Terms of Service for Chemists"). For the benefit of those pharmacists who may wish to turn at once to the terms of service as being the point of fundamental importance in enabling them to decide whether to "sign on the dotted line," it may be stated at once that they do not, like the corresponding paragraphs in the terms of service for medical practitioners, go into details of payments. That is, no doubt, desirable, as it leaves the negotiators the freest hand in arriving at a basis of remuneration satisfactory to all.

The "method of payment," given in four paragraphs, lays down, however, that "payment will be made for drugs and appliances mentioned in the Drug Tariff at the prices specified therein and for drugs or appliances not mentioned in the Tariff in the manner set forth therein"—an indication that in one respect there will probably be no great change from the system under National

Health Insurance. Indeed, the regulations as a whole have a strong similarity to the present arrangements. A chemist who has undertaken to dispense medicines and supply drugs and appliances under N.H.S. is required to supply drugs and appliances "with reasonable promptness" to patients, to keep in stock those items which the Drug Tariff lists as essential, and must not "give, promise or offer to any person any gift or reward (whether by way of a share of or dividend on the profits of the business or by way of discount or rebate or otherwise) as an inducement." The pharmaceutical services are to be provided during hours specified in the scheme of the local Executive Council. The dispensing of medicines is to be performed either by or under the direct supervision of a registered pharmacist "or by a person who for three years prior to December 16, 1911, acted as a dispenser to a medical practitioner or a public institution."

Rural Dispensing

Part VIII of the Regulations permits a patient who has "serious difficulty in obtaining any necessary drugs or appliances from a chemist by reason of distance or inadequacy of means of communication" or who is resident in an area "which in the Council's opinion is rural" to request his doctor to provide them. If he agrees, arrangements will be made for him to do so. If the doctor delays his answer, the Council will decide how the supply shall be given. A rural resident may express a wish to have his supplies from his doctor and the doctor may be required to provide them, unless he does not normally supply drugs. An innovation is a "Dispensing Committee" which an Executive Committee may form or may be required by the local Medical or Pharmaceutical Committee to form, to give effect to the Council's powers of decision in these matters.

Under S.I., 1948, No. 507, the composition of pharmaceutical and other service committees is laid down; so are the conditions under which the Committees shall investigate complaints. The Pharmaceutical Service Committee is composed of three lay and three professional members under a lay chairman.

Combating Midges

THE publication by the Department of Health for Scotland of a second report on the control of midges (see *C. & D.*, March 27, p. 402) gives a timely reminder of certain demands likely to be made on pharmacies in Scotland during the summer, and especially during the months July-September (the height of the midge season). The report shows the provision of adequate protection against the midge to be a pressing problem, for, while some persons have a high degree of tolerance towards midge bites, others are unduly sensitive. High temperature is produced with sickness and prostration, and in some cases mentioned in the report, oedema resulting from midge attacks actually required hospital treatment. The problem may even involve economic loss to the country, for it has happened that farm work has had to be suspended in the absence of adequate protection. Tourist traffic has also been threatened. In some districts a drop in the milk yield of cows is understood to coincide, with heavy midge attacks.

For pharmacists, concerned with the effectiveness of products they supply, it is important to note that only stable preparations containing at least 40 per cent. of dimethyl phthalate are effective repellents. The use of creams with less than that proportion of active ingredient (and preparations with less than that percentage are understood to have been made by certain manufacturers) is not merely a cause of disappointment to the exposed persons, but may bring into disrepute a compound that is valuable as a deterrent when used correctly. The final answer has not yet been reached, and more information on repellents and insecticides is required. In particular, investigations are needed into the effect of D.M.P. against clegs and to find other repellents equally as effective as D.M.P. but without irritant action on the skin. The work demanded, in fact, covers a wide field, for, before the relative merits of different repellents and insecticides can be assessed, more knowledge is needed about breeding habits, and about the conditions necessary to rear midges in the laboratory. The reference in the report to some 4,000

substances tested against mosquitoes in America (some of which may be useful against midges) should remind British workers that Americans are active in this sphere of work. A speaker at a conference of the Pacific coast section of the American Pharmaceutical Association, for example, recently described the manufacture of insecticides as one of the premier tasks of the American pharmaceutical industry.

The formulation of D.M.P. creams and co-operation with workers engaged on testing the efficacy of them in the field (a provision recommended by the report) might profitably form part of the duties of the suggested Pharmaceutical Research Council.

Laboratory Animals

In a recently published monograph entitled "The Influence of the Small Animal Breeder on Biological Research," Glover ("Proceedings of the Royal Society of Medicine," February, p. 85) supports the principle of strict quarantine measures and a constant laboratory check on incipient outbreaks of disease. He advocates the use, where practicable, of pelleted foods rather than mashes, provided they are prepared from highest quality materials. Careful control of diets may have special application in the standardisation of biological products, and he quotes a contrast in antibody rise following injection of a diphtheria prophylactic to (a) guinea pigs fed on a basal diet, plus ample cabbage and (b) others receiving a supplement of mangold. "There is a vast field for the development and wider use of pure-line strains raised under the supervision of a geneticist," but "it would be a mistake to rely entirely on such strains for all types of biological research, since in some circumstances (e.g., when it is proposed by trial and error to establish a new agent) pure-line stock may be disadvantageous." The author reviews the findings of a standing committee of the Conference on the supply of Experimental Animals and draws attention to a recent decision of the Medical Research Council to set up (a) an advisory committee to formulate plans for co-ordinating supply and demand of laboratory animals, development of pure strains, etc., and (b) a central bureau for information.

NATIONAL HEALTH SERVICE REGULATIONS

THE National Health Service (General Medical and Pharmaceutical Services) Regulations, 1948, which were laid before Parliament on March 15 and came into operation on March 24, have been published by H.M. Stationery Office (S.I., 1948, No. 506, price sevenpence). The Regulations provide for the arrangements to be made by Executive Councils under Part IV of the National Health Service Act, 1946, with medical practitioners and chemists for the provision of a general medical practitioner service (including a maternity medical service) and the supply of drugs, medicines and appliances. The terms of service for general medical practitioners and chemists are included as schedules to the Regulations. The Regulations also provide for the setting up of the Medical Practices Committee, its constitution and its procedure for determining applications from medical practitioners for inclusion in a medical list. Those sections of the Regulations which deal with arrangements for provision of a pharmaceutical service are reproduced below:—

The Pharmaceutical List

[PART VII]

24.—The arrangements which a Council is required by section 38 of the Act to make for the supply of drugs and medicines and prescribed appliances to persons receiving general medical services, and of prescribed drugs and medicines to persons receiving general dental services, shall incorporate the terms of service contained or referred to in Part I of the fourth schedule to these regulations. [See below.]

25.—(1) The Council shall prepare a list, to be called "the pharmaceutical list," of the names and places of business of the chemists who are entitled to be included in the list, and the list shall indicate whether they have undertaken to supply drugs or appliances or both and shall distinguish those who are entitled to dispense medicines and shall also indicate the days and hours during which the several places of business are open.

(2) Application by a chemist for inclusion in a pharmaceutical list shall be made by delivering or sending the application by post to the Council in the form set out in Part II or Part III of the fourth schedule to these regulations, or in a form to the like effect.

(3) Copies of the pharmaceutical list shall be available for inspection at the

office of the Council and at such other places as appear to the Council to be convenient for informing all persons interested and shall be kept revised up to date.

(4) The Council shall send a copy of the pharmaceutical list to the Minister, the Local Medical, Pharmaceutical and Dental Committees, and shall within seven days inform each of them of any alteration which may from time to time be made therein. The Council shall also send a copy of the list to each practitioner providing general medical or general dental services, or if the list is arranged by reference to districts, that portion of the list which relates to the district in which such practitioner carries on a general medical or general dental practice, and at intervals of not more than three months shall notify each such practitioner of any alterations made in the list or the relevant portion of the list.

Arrangements for Testing

26.—(1) The Council after consultation with the Local Pharmaceutical Committee shall prepare schemes for testing the quality and amount of the drugs and appliances supplied and for securing that one or more places of business on the pharmaceutical list in each district shall at all reasonable times be open and the latter scheme shall specify the days and hours during which such places shall be open.

(2) In the event of the Council and the Committee failing to agree on any provision of the schemes, the matter shall be referred to the Minister whose determination shall be final.

(3) The provisions of any such scheme shall be subject to the approval of the Minister.

(4) The Council after consultation with the Local Pharmaceutical Committee may from time to time amend any such scheme subject to the approval of the Minister. If the Local Pharmaceutical Committee require any amendment, such scheme may, in default of agreement between the Council and the Committee, be amended by the Minister.

(5) The number of tests to be taken annually in pursuance of a scheme for testing the quality and amount of drugs and appliances supplied shall be such as the Minister, after consultation with the Council and the Local Pharmaceutical Committee, may from time to time determine.

27.—(1) The appliances to be supplied

to persons receiving general medical services shall be the appliances specified in Part I of the third schedule to these regulations. [See below.]

(2) The chemical reagents to be supplied to persons receiving general medical services shall be those specified in Part II of the third schedule to these regulations. [See below.]

Preparation of Drug Tariff

28.—For the purpose of enabling arrangements to be made for the supply of drugs and appliances of proper quality, the Minister shall cause to be prepared a statement (in these regulations referred to as "the Drug Tariff") which shall include:—

(a) the prices on the basis of which the payment for drugs and appliances ordinarily supplied is to be calculated;

(b) the method of calculating the payment for drugs not mentioned in the Drug Tariff;

(c) the method of calculating the payment for containers;

(d) the dispensing or other fees payable in respect of the supply of drugs and appliances;

(e) the standards of quality for drugs and appliances.

The prices referred to in paragraph (a) of this regulation may be fixed prices or may be subject to monthly or other periodical variations to be determined by reference to fluctuations in the cost price of drugs and appliances.

Dispensing in Rural Areas, etc.

[PART VIII]

29.—(1) A person who (a) satisfies the Council that he would have serious difficulty in obtaining any necessary drugs or appliances from a chemist by reason of distance or inadequacy of means of communication, or (b) is resident in an area which in the Council's opinion is rural in character, at a distance of more than one mile from the premises of any registered pharmacist or authorised seller of poisons within the meaning of the Pharmacy and Poisons Act, 1933, may request the practitioner on whose list he is included to supply him with drugs and appliances, and if the practitioner indicates his willingness to supply them the Council shall arrange with him to do so.

Where, in the case of a person to whom sub-paragraph (b) applies, the practitioner has not indicated his willingness to supply drugs and appliances and the person does not, after inquiry by the Council, indicate

within seven days whether he desires to be supplied by the practitioner or by a chemist, the Council shall decide themselves how the supply shall be given.

A person to whom sub-paragraph (b) applies, who is supplied with drugs and appliances by a chemist, may at any time give to the Council notice of his desire that the supply should in future be provided by the practitioner and the Council may thereupon take such action as is appropriate under this regulation.

(2) The Council may require a practitioner who has not indicated his willingness to supply drugs and appliances to any person to whom this regulation applies to undertake such supply, provided that the practitioner shall not be required to supply such drugs and appliances if he satisfies the Council or, on appeal, the Minister, that he is not in the habit of supplying drugs for his patients, or in the case of a person to whom sub-paragraph (b) of paragraph (1) applies, that the person can with reasonable facility obtain drugs and appliances from a chemist. A practitioner shall be entitled to receive reasonable notice from the Council that he is required to undertake the supply of drugs and appliances, or that such supply is to be discontinued.

(3) Notwithstanding anything contained in this regulation where a drug or appliance is one for which a practitioner is entitled to receive extra payment if he supplies it, he may, with the patient's consent, instead of supplying it himself, issue a prescription for that purpose.

The Dispensing Committee

(4) (a) The Council may, if they think fit, and shall, if requested to do so by the Local Medical or Local Pharmaceutical Committee, constitute a committee (in these regulations referred to as "the dispensing committee") and shall delegate to that committee, subject to such conditions as they may impose, the powers conferred on the Council by this regulation.

(b) The Council may make, vary or revoke standing orders with regard to the term of office of members of the dispensing committee, the procedure of that committee and the making of reports of their proceedings to the Council.

30.—The council shall cause to be published, in such manner as appears to them best calculated to inform all persons interested, particulars of the arrangements made by the Council, including a statement of the places where copies of the terms of

service for practitioners and chemists and copies of the medical list and of the pharmaceutical list may be seen and where any forms of application are available and any other particulars which the Council think proper.

Choice of Doctor and Chemist

31.—The right to choose the person to whom general medical services or pharmaceutical services under Part IV of the Act are to be provided shall be exercised—

(a) on behalf of any person under the age of sixteen by the mother or, in her absence, the father, or in the absence of both parents the guardian or other person who has the care of the child; and

(b) on behalf of any other person who on account of old age, sickness or other infirmity is incapable of choosing a person to provide any of the services by a relative or any person who has the care of such person.

Supply and Prescribing of Drugs by Medical Practitioners

Part I of the First Schedule of the Regulations, which lays down the terms of service for medical practitioners, includes the following:—

(g) (i) A practitioner is required to supply to a patient such drugs and appliances as are required for immediate administration or application or for use before a supply can be obtained otherwise under the regulations.

(ii) A practitioner may supply any other drug which is administered by him in person.

(iii) A practitioner shall supply all requisite drugs and prescribed appliances which, under the regulations, he is required by the Council to supply to a patient.

(iv) A drug supplied by a practitioner unless administered in person shall be supplied in a suitable container.

Method of Prescribing

(10) A practitioner is required to order, on a form provided by the Council for the purpose, such drugs and prescribed appliances (other than those supplied under the preceding sub-paragraph) as are requisite for the treatment of any patient. The order shall be signed by the practitioner with his own hand and shall not be written in such a manner as to necessitate reference on the part of the person supplying the drugs or appliances to a previous order. The forms so provided shall not be

used for persons other than the patients who are under treatment by him and a separate form shall be used for each patient.

(11) A practitioner shall comply with any reasonable request by the Council to furnish orders on a form provided by the Council for drugs and prescribed appliances for the purposes of any scheme for testing drugs and appliances made under the regulations.

Appliances and Reagents

[THIRD SCHEDULE, PARTS I AND II]

The following are the appliances and reagents to be supplied to persons receiving general medical services referred to in paragraph 27 above:—

Animal wool	general medical services
Atomisers, hand-operated	Elastic stockings
Bandages:	Elastic kneecaps
calico	Elastic anklets
crepe	Elastic thigh pieces
domette	Eye baths
elastic adhesive	Eye ointment rods
elastic web	Eye shades
flannel	Finger stalls
indiarubber	Gauzes:
many-tailed	surgical
muslin	medicated
open weave	unmedicated
plaster of Paris	Gauze and cotton wool
suspensory, cotton	tissue:
triangular	medicated
zinc paste	unmedicated
Breast relievers	Hypodermic needles:
Brushes, when required for the proper administration of any drug forming part of general medical services	when required for self - administration of insulin or adrenaline
Catheters:	Hypodermic syringes:
Urethral: gum-elastic, and lubricant for use therewith; soft rubber, and lubricant for use therewith	when required for self - administration of insulin or adrenaline
Suprapubic: rubber, and shields for use therewith	Ice bags:
Cellulose tissue	check sheeting
Cellulose wadding	indiarubber
Chiropody felt	Inhalers:
Corn and bunion plaster and rings	Irrigators:
Cotton wool:	eye (undine)
absorbent	nasal
grey	Lints:
medicated	surgical
Douches, with rectal and vaginal fittings	medicated
Dressings:	unmedicated
standard dressing	Pessaries:
B.P.C.	ring
wound dressing; boil dressing (as described in the Drug Tariff)	Hodge's
Droppers, when required for the proper administration of any drug forming part of	Plaster:
	adhesive, spread or on spool
	elastic adhesive
	Protectives:
	battiste
	gutta percha tissue
	jaconet
	oiled cambric
	oiled sink, including oiled artificial silk
	Rubber tubing
	Splints: including Gooch and Kramer splinting and poro-

plastic but excluding
walking caliper
splints, surgical boots
and foot supports
worn with boots and
shoes
Sputum flasks:
Syringes:
glass
rubber

Tampons
Test tubes
Tows:
carbolised
unmedicated
Trusses
Vaccination shields and
pads
Vaporisers

Reagents

Fehling's solution and Benedict's solution (qualitative) when required for the proper regulation of the treatment of diabetes.

Chemists' Terms of Service

[FOURTH SCHEDULE, PART I]

1.—In these terms of service, unless as the context otherwise requires, "the regulations" means the National Health Service (General Medical and Pharmaceutical Services) Regulations, 1948;

"chemist" means a registered pharmacist or authorised seller of poisons within the meaning of the Pharmacy and Poisons Act, 1933, who provides pharmaceutical services. The terms of service shall also apply to any other person, firm or body corporate (other than a medical practitioner) providing pharmaceutical services as if that person, firm or body were a chemist as so defined;

"appliances" in relation to appliances ordered by a medical practitioner means appliances specified in Part I of the third Schedule to the regulations; and

"drugs" in relation to drugs ordered by a dental practitioner means the drugs specified in the third schedule to the National Health Service (General Dental Services) Regulations, 1948.

2.—Any provisions of the regulations and Part II of the National Health Service (Service Committees and Tribunal) Regulations, 1948, or any scheme made thereunder affecting the rights and obligations of chemists shall be deemed to form part of these terms of service.

Pharmaceutical Services

3.—(1) (a) A chemist shall supply with reasonable promptness to any person who presents an order for drugs or appliances on a prescription form provided for the purpose by a Council and signed by a practitioner on the medical list of a Council or by his deputy or assistant such drugs or appliances as may be so ordered and shall, so far as practicable, keep in stock for that purpose all those drugs and appliances mentioned in the Drug Tariff

for the time being in force as drugs or appliances which a chemist is required to keep.

(b) A chemist shall supply with reasonable promptness to any person who presents an order for a drug on a prescription form provided for the purpose by a Council and signed by a dental practitioner on the dental list of a Council or by his deputy or assistant such drugs as may be so ordered.

(c) A chemist shall supply in a suitable container any drug which he is required to supply under this paragraph.

(2) All drugs and appliances so supplied which are included in the Drug Tariff shall be of a grade or quality not lower than the grade or quality specified therein. Drugs and appliances so supplied which are not included in the Drug Tariff shall be of a grade or quality not lower than the grade or quality ordinarily used for medical purposes.

(3) A chemist shall not give, promise or offer to any person any gift or reward (whether by way of a share of or dividend on the profits of the business or by way of discount or rebate or otherwise) as an inducement to, or in consideration of his presenting an order for drugs or appliances on a prescription form provided by the Council.

Place and Hours of Business

4.—(1) Pharmaceutical services shall be provided at the place or places of business specified in the application made by the chemist for inclusion in the Council's list and the place or places shall be open for the supply of pharmaceutical services during the hours specified in the scheme to be made by the Council for that purpose under the regulations.

(2) At each place of business at which a chemist provides pharmaceutical services he is required (i) to exhibit a notice to be provided by the Council in the form prescribed in Part IV or Part V of this schedule and (ii) in the case of a registered pharmacist or authorised seller of poisons within the meaning of the Pharmacy and Poisons Act, 1933, to exhibit, at times when his place of business is not open and in such a manner as to be visible at such times, a notice to be provided by the Council in the form prescribed in Part VI of this schedule indicating the addresses of other registered pharmacists and authorised sellers of poisons, where, and the times at which, medicines and appliances may be obtained in the neighbourhood.

Dispensing of Medicines

5.—(1) The dispensing of medicines shall be performed either by or under the direct supervision of a registered pharmacist or by a person who for three years immediately prior to the sixteenth day of December 1911 acted as a dispenser to a medical practitioner or a public institution.

(2) A chemist shall not dispense a prescription requiring the manufacture by him of a substance scheduled under the Therapeutic Substances Act, 1925, unless he holds a licence for the purpose.

6.—A chemist shall, if so required by the Council, furnish to the Council the name or names of registered pharmacists employed by him in dispensing medicines for persons receiving general medical or general dental services.

7.—All drugs, containers and appliances supplied under these terms of service shall be supplied free of charge.

Method of Payment

8.—(1) A chemist is required to furnish to the Council or to such other person or body as they may direct, on dates to be appointed by the Minister, the forms upon which the orders for drugs and appliances supplied by him were given, arranged in such manner as the Council may direct, together with a statement of accounts containing such particulars relating to the provision by him of pharmaceutical services as the Council, with the approval of the Minister, may from time to time require.

(2) The Council shall, if any chemist so requires, afford him reasonable facilities for examining all or any of the forms on which the drugs or appliances supplied by him were ordered together with particulars of the amounts calculated to be payable in respect of such drugs and appliances and if he takes objection thereto, the Council shall take such objection into consideration.

(3) The Council shall, if so required by the Local Pharmaceutical Committee or any organisation which is, in the Minister's opinion, representative of the general body of chemists, afford the Local Pharmaceutical Committee or the said organisation similar facilities for examining such forms and particulars relating to all or any of the chemists and shall take into consideration any objection made thereto by the Local Pharmaceutical Committee or the said organisation.

(4) Payment will be made for drugs and appliances mentioned in the Drug Tariff at the prices specified therein and for

drugs or appliances not mentioned in the Tariff in the manner set forth therein. The payment to be made for containers and in respect of dispensing fees shall be calculated in the manner set forth in the Tariff.

Revision of Terms of Service

9.—(1) The Council may, subject to the approval of the Minister, alter the terms of service as from such date as he may approve by giving notice of the proposed alteration. Such notice shall be given to each chemist, save as is provided in subparagraph (3) of this paragraph.

(2) Except in the case of an alteration which results from the coming into operation of any Act of Parliament or which has been approved by the Minister after consultation with an organisation which is in his opinion representative of the general body of chemists, the Council shall, before making an alteration consult with the Local Pharmaceutical Committee, and the alteration shall not come into operation within a period of three months from the date of the issue of the notice.

(3) If in any case of alteration the Minister after consultation with such an organisation as aforesaid directs that notice shall be given to the Local Pharmaceutical Committee only, the Council shall give notice to the Local Pharmaceutical Committee, and notice shall thereby be deemed to have been given to each chemist.

Withdrawal from Pharmaceutical List

10.—(1) A chemist is entitled at any time to give notice to the Council that he desires to withdraw his name from the list and his name shall be removed therefrom at the expiration of three months from the date of such notice or of such shorter period as the Council may agree: Provided that if representations are made to the Tribunal under the provisions of Section 42 of the Act that the continued inclusion of a chemist in the list would be prejudicial to the efficiency of the service, he shall not, except with the consent of the Minister and subject to such conditions as the Minister may impose, be entitled to have his name removed from the list pending the termination of the proceedings on such representations.

(2) The name of any chemist whose business is carried on by representatives in accordance with the provisions of the Pharmacy and Poisons Acts, 1852 to 1933, shall not be removed from the list so long

as the business is carried on by them in accordance with the provisions of those Acts, and the representatives agree to be bound by the terms of service of the chemist.

Disputes, Appeals, etc.

11.—The terms of service relating to the following matters are contained in Part II of the National Health Service (Service Committees and Tribunal) Regulations, 1948.

(a) the investigation of complaints made by or on behalf of persons receiving general medical and general dental services against chemists and other investigations to be made by the pharmaceutical service committee and the joint services committee and the action which may be taken by the Council as a result of such investigations, including the withholding of remuneration from chemists where there has been a breach of the terms of service;

(b) appeals to the Minister from decisions of the Council.

Forms of Application, etc.

The remainder of the Fourth Schedule lays down forms of application for inclusion in the Pharmaceutical List to be used by registered pharmacists and others, and forms of notices to be exhibited by contractors.

Investigations and Disputes

The first part of S.I. 507 (Service Committees and Tribunal Regulations) consists of definitions. Part II deals with investigations, disputes, appeals, etc. Under it every Executive Council establishes a medical service, a pharmaceutical service, a dental service and a joint services committee. The Pharmaceutical Service Committee consists of three lay and three pharmaceutical members with a lay chairman, the pharmaceutical members being appointed by the local Pharmaceutical Committee. On the Joint Services Committee are two lay members and two each from the three services, also under a lay chairman; deputies are to be appointed for each member of the committees. When any matter is referred to the Joint Committee, the pharmaceutical members take no part in the hearing unless a chemist is directly affected. A similar provision obtains for the other professional members. Provision is made for the appointment of a chairman of any of the Service committees by the Executive Council if either the lay or the professional members

object to the person originally elected, or for the appointment of a chairman by the Minister of Health if the Executive Council's choice is unacceptable. The chairman may give his opinion that a member of the J.S.C. is interested, or is partner, principal, assistant or manager to a chemist who is interested, in a question referred to the committee. If this ruling is given, a deputy is appointed in place of the member affected.

Normally a complaint against a chemist is heard by the Pharmaceutical Service Committee. The complaint must be made in writing within six weeks of the event which gave rise to it, but there is provision for an extension of this period in certain circumstances.

Nature of Proceedings

Proceedings at hearings of the Pharmaceutical Service Committee are private, and attended only by the parties to the investigation; the persons, if any, appointed to assist them; the secretary of the Pharmaceutical Committee; persons who are required to be present for the purpose of giving evidence; and such officers of the Council as they may appoint for the purpose. A report is drawn up by the committee, giving the facts and the committee's inferences from them, and the committee may recommend action by the Executive Council. The Council forwards a copy of the report to the Minister of Health, with a statement of its decision thereon, which may include: Recovery from the chemist of the costs of the complaint; the withholding from the chemist of some part of his remuneration; or a representation that the continued inclusion of the chemist on the list would be prejudicial to the service. Arrangements are made by which the chemist affected may appeal to the Minister against the Executive Council's decision.

The Pharmaceutical Service Committee is also charged with performing "such duties in connection with the testing of drugs as may be imposed on them by the scheme."

Drugs in the Dental Services

Under the National Health Service (General Dental Services) Regulations, 1948 (S.I., 1948, No. 505), a dental practitioner, whether practising at a private surgery or at a health centre, is normally required to write a prescription for the drugs which he wishes his patients to receive. The drugs are limited to those specified in the Third

Schedule of the order (see below); they are to be ordered on a form provided by the Executive Council for the area, the prescription is to be signed, and is not to refer to a previous prescription. Drugs in the schedule which are required for use immediately or before they could be obtained from a chemist may be supplied by the practitioner. In addition, the practitioner may supply any drug which he administers himself.

Where the Executive Council considers that a dentist's surgery is situated so that it would be inconvenient for patients to obtain drugs from a chemist, the Council may require the practitioner to supply drugs. The patients have the right, however, to require the dentist to give a prescription for the drugs. The dentist will not be required to supply drugs if he can prove to the Council (or, on appeal, to the Minister) that he is not in the habit of supplying drugs, or that the patients concerned can at least equally easily obtain the drugs from a chemist.

Prescribed Drugs for Dental Treatment

[THIRD SCHEDULE]

Drugs:—

Acidum acetylsalicylicum	Liquor formaldehydi
Acidum benzoicum	Liquor hydrogenii peroxidi
Acidum boricum	Liquor iodi mitis
Acidi tannicum	Liquor sodae chlorinatae chirurgicis
Alumen	Magnesi sulphas
Aqua chloroformi	Mistura magnesi hydroxidi
Aqua menthae piperitae	Oleum caryophylli
Borax	Phenacetinum
Caffeina	Phenol
Calcii lactas	Potassii chloras
Emulsio chloroformi	Potassii permanganas
Emulsio olei menthae piperitae	Quininae sulphas
Glycerinum acidi tannici	Sodii bicarbonas
Glycerinum thymolis compositum	Sodii chloridum
Hydrargyri subchloridum	Sodii perboras
Liquor azorubri	Sodii sulphis
	Tinctura pyrethri
	Zinci chloridum
	Zinci sulphas

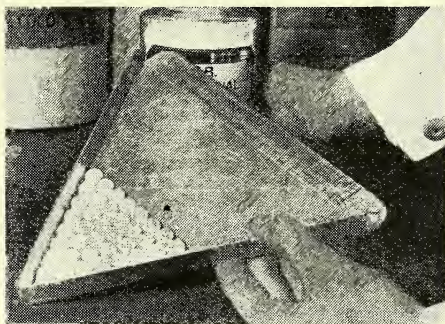
Compounded Drugs:—

Cataplasma kaolini B.P.
Collutoria—from N.[W.].F.:—
Acidi tannici
Formaldehydi
Phenolis alkalinum
Sodii chloridi compositum
Thymolis compositum
Zinci sulphatis et chloridi
Pigmentum arsenicale et ipecacuanhae, N.[W.].F.
Sovella antisepctica effervescens, B.P.C.
Solvella boracis et benzaminas composita, B.P.C.
Tabellae Tablets:—
Acidi acetylsalicylici, B.P.
Acidi acetylsalicylici composita, B.P.C.
Acidi acetylsalicylici et quininae composita, N.[W.].F.

Acidi ascorbici, B.P. 50 mgm.
Acidi nicotini, B.P. 50 mgm.
Butobarbitoni, 1½ gr. N.[W.].F.
Calciferolis composita, B.P.C.
Calcii lactatis, B.P.
Codeinae composita, B.P.C.
Nicotinamidae, B.P.
Phenobarbitoni, B.P. ½, 1 and 2 gr.
Sulphathiazolis
Trochiscus formaldehydi (tabella formaldehydi, B.P.C.)
Trochiscus penicillin, B.P.

AIDS TO EFFICIENT DISPENSING—2 A SIMPLE TABLET COUNTER

A SIMPLE device for counting tablets is illustrated below. It consists of a triangular aluminium tray with vertical flanges on two of its edges, the flanges meeting at an angle of exactly 60°. Tablets are shaken on to the tray which is then gently



agitated so that they settle in a single layer between the two flanges, as shown. The number of complete rows is then counted and the total number of tablets in the rows read off from the scale which is punched on the third edge of the tray (see below). Thus in the illustration there are nine rows (as the triangle formed by the tablets is equilateral, the number of rows is, of course, the same whichever way they are counted), corresponding to a total of forty-five tablets. The scale, which remains valid for tablets of any size, is reproduced below:—

Rows	1	2	3	4	5	6	7	8
Tablets	1	3	6	10	15	21	28	36
Rows	9	10	11	12	13	14	15	
Tablets	45	55	66	78	91	105	120	
Rows	16	17	18	19	20	21	22	
Tablets	136	153	171	190	210	231	253	

From the pharmaceutical department,
Westminster Hospital, London.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Illegible Prescriptions

SIR,—Those who, like Xrayser, think nothing can be done to improve the position resulting from doctors' bad writing will be interested to read Professor Dunlop's remarks on the subject (*C. & D.*, March 20, p. 375). I think that the expression of such an opinion from the "other side" indicates that something might be done if our leaders would face up to the need.

Yours faithfully,
R. E. BELL.

A "Repeat" Prescription

SIR,—I have today been handed a prescription for a mixture containing aspirin, phenacetin and phenobarb. sol. The note-paper is printed with a doctor's name and address but the prescription has not been signed. Yet it has been dispensed, and dated, twenty-nine times by the chemist to whom it was first taken, and twice subsequently by other chemists. I have either to ignore the law, or to attempt to explain it, and so probably offend a customer. What would you do, chums?

Yours faithfully,
QUESTOR.

Dispensing Technicians

SIR,—I hope our Council will not be "crazy" enough to adopt the suggestion put forward by Violoncello (*C. & D.*, March 20, p. 382) and others who think we should admit to the register by any other means than examination. The Minister of Health has assured us that the only qualification recognised will be that of the Pharmaceutical Society. Any lowering of our present standards would have a bad effect upon remuneration, and I think it a pity that it should be given public consideration at this juncture. The National Joint Industrial Council for Retail Pharmacy recognises dispensing technicians by awarding a higher rate of pay to those who have served an indentured apprenticeship but have not qualified. I have had many able assistants who served no indentured apprenticeship and who compared favourably with those who had. From a pharmaceutical point of view the higher leaving certificate counts for little if the aptitude is lacking, but that is no reason for dilution.

Yours faithfully,
HABENDA RATIO VALETUDINIS.

SIR,—I would like to add my opinion on dispensing technicians to those already expressed. During the war we holders of the Apothecaries' Hall certificate were welcomed with open arms to replace pharmacists who had been called up. The element of snobbery towards us in most hospitals is upsetting, and makes for great inward bitterness. I have taken a pharmacist's place at a moment's notice—and with no help—in some hospitals, and no fault was found in my work. I agree with "25 years' Apoth. Hall" that if the certificate is unimportant it should be abolished, and present "would-be dispensers" made to sit for the Chemist and Druggist Qualifying examination. But so long as our money is accepted in colleges and entrance fees paid we should be recognised as members of an essential and honourable profession, especially those of us with twenty years' or more experience.

Yours faithfully,
ANOTHER 25 YEARS' APOTH. HALL.

SIR,—Even the uncertainty on N.H.S. terms of service and the possibility of longer hours of service seems to give less cause for correspondence than the latest stable fancy, for the extremely dark horse, Dispensing Technician by Pride of Putney out of Apothall. The spate of correspondence in your columns on this subject seems mainly from the Great Unqualified. Most of the letters already assume that anyone with a few years of "dispensing" can shortly expect the blessings of membership of the Pharmaceutical Society, and even hope to crash in on some sort of a qualification. Surely, recognition of these unqualifieds by means of a Society's "qualification" means a serious devaluation of the status of the existing pharmacist . . . unless these persons are allowed to dispense only under the supervision of a pharmacist, and there is laid down some limitation to, say, not more than two to each pharmacist. Otherwise, we shall see abuses by multiples, private pharmacies where the dispensing is heavy, hospitals, and possibly, in the future, by Government clinics. Without a ruling that, before gaining recognition as an assistant to a pharmacist, the individual shall have completed a course of study at a recognised school of pharmacy, and have passed either Part 1, or the Apothecaries' Hall ex-

aminations, in addition to a period of actual dispensing under pharmaceutical supervision, and, of course, have reached a certain age, then we can expect a motley collection of "technicians," ranging from old "Cowdrench" on the veterinary counter to pretty "Lizzie Arden" from the cosmetics department, not to mention the small army of Conc. Mixture Operators, presumably looking to pharmacy for their future jobs. If these dispensers should be recognised officially, then they should not secure, or give any impression that they have secured, a Pharmaceutical Society qualification. So that there might be no confusion, so far as the public are concerned, why not call them

"drug clerks," and register them if they come up to certain attainments? After contact with numerous "unqualifieds" in all phases of pharmacy and medical work, I know few who could honestly be titled "as good as a qualified." There are sometimes extenuating circumstances in which individuals have been really unfortunate in examinations or from illness, but the victims of such circumstances are usually different from the persons who claim some years of "dispensing," with no history of any attempt at study or attendance at a recognised school of pharmacy.

Yours faithfully,

SEMPER EADEM.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 5

ISLE OF THANET BRANCH, PHARMACEUTICAL SOCIETY, Ambassadeurs Restaurant, Turner Street, Ramsgate, at 8 p.m. Mr. G. R. Page, B.Sc., Ph.C. (Evans Medical Supplies, Ltd.), on "Pharmaceutical Manufacture."

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 7.30 p.m. Annual meeting.

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, at 7.30 p.m. Annual meeting.

WEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library Hall, Beckenham, at 8 p.m. Address by Mr. F. C. Wilson (a member of the Society's Council).

Tuesday, April 6

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Angel Hotel, High Road, Ilford, at 7.45 p.m. Film show presented by Central Office of Information.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 7.45 p.m. Discussion on agenda for Branch Representatives' meeting.

HOUNSLOW BRANCH, PHARMACEUTICAL SOCIETY, Trinity Hall, Alexandra Road, at 8 p.m. Mr. R. H. Kemp, Ph.C. (local organisations officer, National Pharmaceutical Union), on "Mutual Insurance for Chemists."

NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Beale's Restaurant, Holloway Road, London, N.7. Dinner at 7.15 p.m.; annual meeting at 8.30 p.m.

ST. JOSEPH'S YOUNG PRIESTS' SOCIETY (PHARMACY BRANCH), 23 Merrion Square, Dublin, at 8.30 p.m. Annual meeting.

Wednesday, April 7

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, Ferrari's Café, Aberdare, at 7.30 p.m. Mr. I. E. Thomas, J.P., M.P.S., and Dr. J. Williams (medical officer of health for Aberdare) on "Local Health Services."

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION), Visit to Darwen mills of Alexander Carus & Sons, Ltd., leaving Blackhurst's Garage, Albert Road, at 1.30 p.m. Tickets (5s. 6d. each) from secretary.

BRITISH PHARMACEUTICAL STUDENTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 6 p.m. Opening session of annual conference. (Conference continues until Sunday, April 11—see C. & D., February 28, p. 262.)

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Bridge School, Station Road, Wealdstone, at 7.30 p.m. Mr. B. J. Thomas, M.P.S., on "Emulsifying Agents."

MANCHESTER (JUNIOR) BRANCH, PHARMACEUTICAL SOCIETY. Visit to Benger's, Ltd., Holmes Chapel, Cheshire.

Thursday, April 8

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Dr. R. Rowden Foote, M.R.C.S., L.R.C.P., on "Varicose Veins."

NORTH NOTTS BRANCH, NATIONAL PHARMACEUTICAL UNION, Swan Hotel, Church Street, Mansfield, at 6.30 p.m. Mr. O. C. Seaton (a member of the N.P.U. Executive) on "The N.P.U. and You."

PROPRIETARY ARTICLES TRADE ASSOCIATION, Connaught Rooms, Great Queen Street, London, W.C.2, at 3 p.m. Fifty-second annual meeting (open to members of all sections).

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMACEUTICAL UNION, Tudor Restaurant (Jeffries Room), Taunton. At 3.30 p.m.: N.P.U. annual meeting; 4.15 p.m.: Society annual meeting; 5 p.m.: tea; 6 p.m.: joint meeting; Mr. H. Steinman (a member of the Society's Council and of the N.P.U. Executive) on "The National Health Service—The Scene Unfolds."

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION) is organising a full-day visit to Liverpool on Tuesday, May 4 (morning free; afternoon: visit to Evans Biological Institute, Runcorn). Tickets (11s. 6d. each) from Miss L. I. Anderson, Corbiere, Normoss Road, Newton, Blackpool.

NORTH LONDON PHARMACEUTICAL ASSOCIATION is holding a dance at the Bonnington Hotel, Southamptown Row, London, W.C.1, on Thursday, April 15. Tickets (10s. 6d. each) from Mr. A. E. Footitt, 5 Mountgrace Road, Potters Bar, Middlesex.

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, is organising a visit to The British Drug Houses, Ltd., on Wednesday, April 28, leaving Slough at 1.30 p.m. Applications to Miss Janet Hincks, The Dispensary, Slough Emergency Hospital.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex St., W.C.2, March 31

At the time of going to press the markets have only just resumed business after the holiday closing. Few changes in the prices of PHARMACEUTICAL and FINE CHEMICALS are announced. The new rates for CHLORAL HYDRATE, which came into operation on March 16, are now available. PILOCARPINE ALKALOID and SALTS have been reduced in price, with effect from March 25.

Most sections of the CRUDE DRUGS markets have opened on a quiet but steady note; an increase in activity is not likely to occur until after the Budget. A routine business is being done in ESSENTIAL OILS at former prices. The controlled prices of UNREFINED VEGETABLE OILS, allocated to primary wholesalers and large trade users, are unchanged for the period of five weeks ending May 1.

Exchange Rates on London

Bank of England fixed rates at the opening on Wednesday morning were:—

Centre	Quoted	March 31
*Alexandria ...	Piastres to £	97½—97½
Amsterdam ...	Florins to £	10.68—10.70
*Bombay ...	Pence to rupees	1-5½—1-6½
Brussels ...	Francs to £	176½—176½
Copenhagen ...	Kroner to £	19.32—19.36
Dutch East Indies	Florins to £	10.68—10.70
Dutch West Indies	Florins to £	7.59—7.51
*Hong Kong ...	Pence to \$	1-2½—1-3½
Lisbon ...	Escudos to £	99.80—100.20
Montreal ...	Dollars to £	4.02½—4.03½
New York ...	Dollars to £	4.02½—4.03½
Oslo ...	Kroner to £	19.98—20.02
Paris ...	Francs to £	863.4—864.6
Rio de Janeiro ...	Cruz to £	75.3948
*Singapore ...	Pence to \$	2-4½—2-4½
Stockholm ...	Kronor to £	14.47—14.50
Zurich ...	Francs to £	17.34—17.36

* Free market rates

U.S. Drug and Chemical Report

New York, March 25

THE coal strike in the United States is holding up production of a wide range of chemical raw materials and intermediates. Export inquiry, however, for INDUSTRIAL CHEMICALS is quiet and prices generally reflect an easier tone. In PHARMACEUTICAL PRODUCTS the principal changes have been in PENICILLIN; certain manufacturers have reduced their prices for the amorphous and crystalline material to 30 cents and 52 cents per 100,000 units respectively. The price of the oil in wax suspension has been reduced to bring it into line with the price of procaine penicillin.

Trading in the CRUDE DRUGS markets has slackened further and numerous price reductions have been reported during the

past week, including ACONITE, ARNICA FLOWERS, HENBANE and COPAIBA BALSAM. CANDELILLA WAX is also easier, and cuts have been made in the prices of all grades of CARNAUBA WAX. COLCHICUM SEED is in a nominal position.

More orders are being placed for ESSENTIAL OILS but these are usually for small quantities. Italian LEMON OIL is in fair demand at prices below those prevailing for the domestic product. The price trend still continues downward.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 6d. per lb. for crystals and 2s. 7d. per lb. for powder.

ACETOMENAPHTHONE.—Prices range from about 1s. 2d. to 2s. per gm., as to quantity.

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ATROPINE.—Home trade prices per oz. are as follows: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYL BROMIDE and METHYLNITRATE, 75s.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CALAMINE.—B.P.C. quality is quoted at prices from 1s. 2d. to 1s. 10d. per lb.

CALCIFEROL.—Quotations for the home trade are from 10s. to 11s. per gm.

CALCIUM GLUCONATE.—Makers' quotations are at 3s. 1d. per lb. for 1-cwt. lots.

CARBACHOL, B.P.—Price of small quantities is in the region of 5s. per gm.

CARBOMAL.—Importers' quotations are at 45s. per lb. Continues in short supply.

CHLORAL HYDRATE.—New rates per lb., for the home trade, are as follows: 1-cwt. lots, 4s.; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.; 14-lb., 4s. 6d.; 7-lb., 4s. 9d.

CODEINE.—Current prices per oz., in the home market, are: ALKALOID, ½ oz., 51s. 9d.; 1 oz., 49s. 3d.; 2 oz., 47s. 9d.; 3 oz., 47s.; 4 oz., 46s. 9d. HYDROCHLORIDE, ½ oz., 46s. 4d.; 1 oz., 44s.; 2 oz., 42s. 6d.; 3 oz., 41s. 9d.; 4 oz., 41s. 6d.; PHOSPHATE, ½ oz., 40s. 9d.; 1 oz., 38s. 3d.; 2 oz., 36s. 9d.; 3 oz., 36s.; 4 oz., 35s. 9d. HYDROBROMIDE and IODIDE as ALKALOID; SULPHATE as HYDROCHLORIDE.

DIGITALIN, B.P.C.—Current quotations are from 9s. to 11s. 6d. per gm.

DIETHANOL, B.P.—175s. per lb.

EMETINE.—Makers' rates per oz. are as follows: HYDROCHLORIDE, 1 oz., 202s.; 4 oz., 195s.; 16 oz., 192s. 6d.; 32 oz., 190s. BISMUTH IODIDE, 1 oz., 101s. 6d.; 4 oz., 100s.; 16 oz., 98s. 6d.; 32 oz., 97s.

GLYCERIN, B.P.—Current rates per cwt. are as follows:—

Contracts or spot lots of	Under 1 cwt.	1 cwt. and under 2½ cwt.	2½ cwt. and under 5 cwt.	5 cwt. and under 10 cwt.	10 cwt. and under 20 cwt.
Minimum deliveries off contract of	—	1 cwt.	1 cwt.	1 cwt.	2 cwt.
Tins:	s. d.	s. d.	s. d.	s. d.	s. d.
14-lb. ..	156 6	152 0	151 0	148 0	147 0
28-lb. ..	153 6	149 6	148 6	145 6	144 6
56-lb. ..	150 6	147 0	146 0	143 0	142 0
Drums:					
1-cwt. ..	—	136 0	135 0	132 0	131 0
2½-cwt. ..	—	—	133 0	130 0	129 0
5-cwt. ..	—	—	—	129 6	128 6
10-cwt. ..	—	—	—	—	128 0

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s.; 1-cwt. drums, 127s.; 2½-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s. 6d.; 1-cwt. drums, 125s. 6d.; 2½-cwt., 123s. 6d.; 5-cwt., 123s.; 10-cwt., 122s. 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. Refined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards, net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE AND SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Makers' prices per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s. 1d. SODIUM IODIDE, B.P.—28 lb., 12s. 1d. IODOFORM, B.P.—28 lb., powder, 15s. 7d.; crystals, 17s. 7d. RESUBLIMED IODINE, B.P.—1 cwt., 12s. 8d. Orders of 28 lb. and upwards may be comprised of assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt., in one delivery, or on contract for delivery within three months.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

LOBELINE HYDROCHLORIDE.—Prices are from 150s. per gm.

NIKETHAMIDE, B.P.—Current quotations are at 150s. per lb.

PILOCARPINE.—Makers have reduced their prices. New rates per oz. from March 25 are as follows: ALKALOID.—1 oz., 36s. 9d.; 4 oz., 35s. 3d.; 25 oz., 34s. HYDROCHLORIDE.—1 oz., 34s. 9d.; 4 oz., 33s. 3d.; 25 oz., 32s. NITRATES.—1 oz., 33s. 3d.; 4 oz., 31s. 9d.; 25 oz., 30s. 6d.

POTASSIUM PERMANGANATE.—Makers' rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms, net, carriage paid to nearest station (or port of departure for N. Ireland), containers extra and returnable.

QUININE.—Makers' rates (per oz.) to distributors are given below. Additional charges must be added for repacking, etc. ALKALOID, from 5s. 7d. to 6s. 1d.; ACETYL-SALICYLATE, 7s. to 7s. 6d.; BISULPHATE AND SULPHATE, 4s. to 4s. 6d.; DIHYDROBROMIDE AND DIHYDROCHLORIDE, 5s. 2d. to 5s. 8d.; FORMATE, GLYCEROPHOSPHATE AND PHOSPHATE, 6s. to 6s. 6d. HYDROBROMIDE AND HYDROCHLORIDE, 5s. to 5s. 6d.; HYPOPHOSPHITE, 7s. 6d. to 8s.; SALICYLATE, 5s. 1d. to 5s. 7d.; TANNATE, 3s. 4d. to 3s. 10d.; VALERIANATE, 25s. QUININ. ET ÆTHYL. CARB. is quoted from 8s. 6d. to 9s. and QUININ. ET UREÆ HYDROCHLOR. from 5s. 2d. to 5s. 8d. per oz.

SILVER SALTS.—NITRATE is quoted at 2s. 9d. per oz. and PROTEINATE at 30s. 6d. per lb. Quotations for VITELLINATE are 55s. per lb. for 20 per cent. and 72s. 6d. for 30 per cent. COLLOIDAL SILVER is priced at 120s. to 130s. per lb.

STROPHANTHIN.—Makers' quotations for B.P. is at 14s. per gm. and for OUABAIN (STROPHANTHIN K), 8s. 6d. per gm.

STRYCHNINE.—Makers' current rates per oz. are as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
Alkaloid ...	6 2	6 0	5 10½
Bisulphate ...	5 4	5 2	5 0½
Hydrochloride ...	5 11	5 9	5 7½
Hypophosphite ...	9 8	9 6	9 4½
Nitrate ...	5 11	5 9	5 7½
Sulphate (neutral powder No. 2) ...	4 11	4 9	4 7½
Sulphate (neutral crystal and powder) ...	5 6	5 4	5 2½

THEOPHYLLINE ETHYLENE DIAMINE.—The current price is 97s. 6d. per lb.

Crude Drugs

ACONITE.—Indian root on the spot is offering at 300s. per cwt.

AGAR.—Kobé No. 1 type strip is quoted at 18s. 6d. per lb. on the spot.

ALOES.—Cape, on the spot, is offered at 153s.; shipment offers are at 138s. to 140s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s. per cwt., c.i.f. Socotrine on the spot is quoted at 156s. to 190s. per cwt.

ANISE (STAR).—Spot quoted from 120s. to 130s. per cwt.; shipment, 110s., c.i.f.

ANNATTO SEED.—Steady. A parcel of Jamaica is quoted at 11d. per lb., c.i.f.

ANTIMONY.—Prices are unchanged. Current rates are as follows: 99.6 per cent., regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Ceylon on the spot is offered at 67s. 6d. per cwt.

ARNICA FLOWERS.—Quotations are from 2s. 3d. to 2s. 6d. per lb., spot.

ASAFETIDA.—Persian block is offering at £22 10s. to £24 per cwt., spot, with lower quality material (Indian) down to £15.

BALSAMS.—*Canada* is steady at 18s. 6d. per lb., spot. *Para Copaiba*, spot, 5s. 3d. to 6s. per lb. for soluble. *Peru*, San Salvador, is offered at 5s. 6d. to 6s. per lb., duty paid. *Tolu*, 18s. 6d. per lb., spot.

BAY LEAVES.—Leaves without stems 95s. to 105s. per cwt., duty paid, quoted.

BENZOLIN.—Steady. Sumatra alomdy block on the spot is offering at prices from £15 to £17 per cwt., as to quality. Sumatra free almonds are quoted at £80 per cwt.; Siam almonds, at 30s. per lb.

BISMUTH.—Current price of metal is 11s. per lb. for quantities of 5 cwt.

BUCHU.—B.P. leaves, old-crop, quoted from 4s. 2d. to 4s. 3d. per lb., spot; new-crop, 3s. 10d., c.i.f. Old-crop ovals are offered at 4s per lb.

CANTHARIDES.—Chinese, spot, offered at 10s., duty paid; 6s. 3d. per lb., c.i.f.

CAPSCUMS.—East African on the spot, 85s. to 140s. per cwt., as to quality.

CARDAMOMS.—Quiet. Mangalore Half-bleached A's, 8s. 6d. per lb., spot; B's, 8s., seeds, 6s. 9d. Aleppy seeds No. 1 are quoted at 8s. 6d. per lb. Aleppy greens, 6s. 3d.; extra bold, 7s.

CASCARA SAGRADA.—Quiet. 1947 peel is quoted at 265s. to 275s. per cwt., according to holder; 1946 is at 270s. to 275s. New-crop, July-August shipment is offering in the U.S. at 202s. per cwt., c.i.f.

CASCARILLA.—Quills are steady at 1s. 6d. to 1s. 7d. per lb., spot; siftings are quoted at 1s. 5d. to 1s. 6d.

CASSIA PODS. (*C. fistula*).—East Indian, quoted at 65s. per cwt., ex wharf.

CHAULMOOGRA.—*Hydnocarpus*, in tins in cases, is quoted at 1s. 9d. per lb., spot.

CHILLIES.—There are sellers of Mom-basa at 120s. per cwt., spot; Sierra Leone, 115s., nominal; Nigerian, 100s.

CINCHONA BARK.—Parcels of Tanganyika chips, on the spot, are offering at 4s. 6d. and 4s. 9d. per lb., according to quality.

CINNAMON.—Quillings are offered ex-store at 1s. 6d., featherings at 1s. 3d., and chips at 9d. per lb.; 0000 quill, to arrive, 2s. 4½d., c.i.f.

CLOVES.—Zanzibar is offered at 9½d. to 10d. per lb.; Penang, 3s. 6d. per lb., spot.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

COCOA BUTTER.—Maximum controlled price is 4s. 11½d. per lb., delivered.

COD-LIVER OIL.—British-produced oil of B.P. quality is quoted from 12s. to 13s. per gall., delivered in the United Kingdom. Norwegian oil is offered at 367s., c.i.f., per 25-gall. drum.

COLCHICUM.—Corms, on the spot, are offered at 7s. 6d. to 8s. 6d. per lb.

COLOCYNTH.—Fine-white pulp, spot, is offered at 1s. 7d. per lb.

DERRIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

DRAGONS BLOOD.—Singapore reboiled No. 1 is at £70 per cwt., spot; second-grade material is available at £50.

ELEMI.—Parcels of Manila No. 1 are offered at 2s. 3d. per lb., spot.

ERGOT.—Portuguese is offered at 4s. 3d. to 4s. 4½d. per lb., spot; 3s. 10d., c.i.f.

EUPHORBUM.—Spot quotations are maintained at from 85s. to 90s. per cwt.

FRANGULA BARK.—Quills are offering on the spot at 2s. 2d. per lb.

GAMBOGE.—Siam pipe on the spot is offered at £55 per cwt., duty paid.

GENTIAN.—French natural on the spot is offering at 75s. per cwt.

GINGER.—Jamaica No. 1 is quoted at 115s. per cwt., spot; No. 2, 97s. 6d. to 100s.; No. 3, 92s. 6d.; new-crop No. 3, March-April, 87s. 6d., c.i.f. Sierra Leone is offered at 60s.; new-crop, May-June shipment, 50s., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts, quoted 66s. per cwt., spot London, March-April shipment, 60s., c.i.f. Bleached No. 1, quoted at 140s., ex store. Talha cleaned, 40s. per cwt., ex warehouse; shipment, 35s., c.i.f.

GUM MASTIC.—A parcel of No. 2 is offering at 14s. 3d. per lb.; no No. 1 is offering on the spot.

HONEY.—Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican), for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the

following rates per cwt.; In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

IPCACUANHA.—Nicaraguan is steady at 28s. 6d. per lb., spot; April-May shipment, 24s., c.i.f.; Colombian root, 26s., spot, and 22s. per lb., c.i.f.

LIQUORICE.—Anatolian natural root is offered at 52s. 6d. per cwt., spot. Syrian natural is steady at 49s. 6d. per cwt. on the spot. Italian block, 375s. per cwt., spot. Italian stick (1-oz. and 2-oz.) is quoted from £450 to £535 per ton, as to quantity and grade. Turkish block is steady at around 240s. per cwt.

MENTHOL.—An easier market. Brazilian on the spot is offered at 40s. per lb., duty paid; in bond, 38s. per lb.

NUTMEG.—West Indian 80's are quoted at 3s. 6d. per lb.; sound unassorted, 2s. 11d.; wormy and broken, 1s. 9d. to 1s. 10d. East Indian 80's, 4s., spot.

NUX VOMICA.—Madras, on spot, is steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochín, 42s. 6d. to 45s., spot.

OLIBANUM.—Fair to good drop is quoted from 200s. per cwt.; pea size, 210s.; good garblings, 170s.; seeds, 175s.; siftings, 100s.

PAPAIN.—East African No. 1 is offering at 29s. per lb. on the spot; Ceylon, 26s.

RHUBARB.—Steady. Chinese rough-round on the spot is quoted from 3s. 6d. to 5s. per lb., according to fracture and seller.

SEEDS.—**ANISE.**—Cyprus, 1s. 8d. per lb.; Turkish, 1s. 7d. per lb., duty paid, spot London or Liverpool. **CARAWAY.**—Dutch offered 11d. to 11½d. per lb., duty paid, in London; in Liverpool, quoted at 105s. per cwt., duty paid. **CELERY.**—Indian quiet; sellers are asking 1s. 3d. per lb., spot London or Liverpool. **CORTANDER.**—Argentine, spot London, is quoted at 45s. per cwt., duty paid; splits offered at 37s. 6d. per cwt., duty paid in London or Liverpool. **CUMIN.**—Indian is quiet at 217s. 6d. per cwt., spot London; sellers will take 215s. per cwt. in Liverpool; Cyprus is 217s. 6d. per cwt., spot London. **DILL.**—Indian, spot, is 47s. 6d. per cwt., in London, and 45s. per cwt. in Liverpool. **FENNEL.**—No demand. Indian in London is offered at 72s. 6d. per cwt., and 71s. in Liverpool. **FENUGREEK.**—Indian is 47s. 6d. per cwt., spot London, and 46s. per cwt. in Liverpool; Morocco, new-crop is quoted at 52s. per cwt., f.o.b. Casablanca.

SENEGA.—Quiet. Spot is offered at from 11s. 3d. to 11s. 6d. per lb.; 11s., c.i.f.

TURMERIC.—Madras finger is nominal at 120s. per cwt., spot; April-May shipment is quoted at 90s., c.i.f. Jamaica is reported offering at 85s., spot.

VALERIAN.—Belgian root is at 175s. to 180s. per cwt., according to holder; Indian, 160s. per cwt.

Essential and Expressed Oils

ANISE.—Chinese star, on the spot, in drums is offered at 6s. per lb., and in tins at 6s. 1½d., with up to 7s. for smalls; shipment, 5s. 8d., c.i.f.

APRICOT KERNEL.—Small supplies on the spot are offered at 9s. to 10s. per lb.

BAY.—Prices of West Indian are unchanged at 7s. to 8s. 6d. per lb., spot.

CADE.—Prices are from 4s. to 5s. 6d. per lb., according to holder and quantity.

CAMPHOR.—White oil of good quality is offered at 3s. to 3s. 6d. per lb., duty paid.

CANANGA.—Java oil, spot, is quoted from 35s. to 40s. per lb., 29s., c.i.f.

CARAWAY.—English-distilled is offered at from 38s. to 40s. per lb.; imported oil is quoted at from 30s. to 32s. 6d.

CASSIA.—Spot quotations are from 16s. 6d. to 17s. per lb., as to quantity.

CASTOR.—Controlled prices are unchanged: Firsts, £180 per ton; seconds, £176, naked ex works.

CINNAMON.—Ceylon bark oil is available at 12s. 6d. per oz.; English-distilled, from 24s. to 40s. per oz.; B.P. oil is at 75s. to 85s. per lb. Leaf oil, spot, is quoted at from 8s. 6d. to 10s. 6d. per lb.

LAVENDER.—French, 38-40 per cent. is quoted at 25s. to 27s. 6d. per lb., spot; 40-42 per cent. 28s. to 31s. Spanish (spike) is steady at 9s. 6d. to 11s. 6d. per lb., spot.

LEMONGRASS.—Spot supplies are offered at 7s. to 9s. per lb., according to holder and quantity; forward, 6s., c.i.f.

NUTMEG.—English-distilled oil is offered at from 39s. to 45s. per lb.

OLIVE.—The Olive Oil Importers' Association price for edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ½ gall., 59s. 6d.; in quart loan containers, 60s. 4d.; and in pint containers, 61s. 4d. per gall., all delivered to buyers' premises.

Edible Oils

THE National Edible Oil Distributors' Federation rates, for all areas except Devon and Cornwall, are as follows: **GROUNDNUT, MAIZE, COTTONSEED, SUNFLOWER - SEED,** 127s. 6d. per cwt., 10s. 5d. per imperial gall., 10s. 3d. per approximate gall.; **PALM-KERNEL,** 126s. 6d. per cwt., 10s. 4d. per imperial gall., 10s. 2d. per approximate gall. The prices are for oils packed in cans. The price of oil in barrels will be as follows: On loan, 1s. per cwt. below the ½-cwt. can price; free, 3s. per cwt. below the ½-cwt. can price, plus the cost of container. Devon and Cornwall rates for oils are 2s. per cwt. or twopence per gall. more than those for other areas, and the cwt. prices are based on ½-cwt. loan taper cans.

TRADE MARKS

(From "The Trade Marks Journal," March 10)

"NIVOL"; for all goods (3). By May & Baker, Ltd., Dagenham, Essex. 653,072.

"VIGNY"; for non-medicated toilet preparations, cosmetics, perfumes and soaps (3). By Les Parfums de Luxe, 416 Rue Saint-Honore, Paris, France. B655,310.

"SNOWFIRE" and silhouette of a woman's head (device of a woman's head disclaimed); for toilet preparations (not medicated), cosmetics, sachets for hair waving, soaps and essential oils (3). By F. W. Hampshire & Co., Ltd., Sunnysdale Works, Sinfen Lane, Derby. 655,341 (Associated).

"FERVOR," "FERVOUR," "ACTION" and "MEN OF ACTION"; for non-medicated toilet preparations, cosmetics, lipstick, soaps and perfumes (3). By Lenthéric, Ltd., 17 Old Bond Street, London, W.1. 655,981-84 (Associated).

"PULCRINA"; for non-medicated toilet preparations (3). "EXPENET"; for pharmaceutical preparations (5). By E. C. De Witt & Co., Ltd., 2 Cherry Orchard Road, Croydon, Surrey. 656,017-18.

"MYSTEEN"; for perfumes, toilet preparations (not medicated) cosmetics, sachets for hair waving, soaps and essential oils (3). By Alun Lloyd Jones, Ridley House, Main Street, Grasington, Skipton, Yorks. 656,392.

"EMGOSAN"; for all goods (3). By Gorney, Ltd., 35 Northumberland Street, Manchester, 7. 656,536.

"PARIZO" in distinctive lettering; for hair dyes and toilet preparations (not medicated). By Parizo & Co., Ltd., 42A North Street, Bishop's Stortford, Herts. 656,555.

"RECITAL"; for toilet preparations (not medicated) and cosmetics (3). By Société Technique de Parfumerie (F. Millot), 57 Avenue Franklin D. Roosevelt, Paris, France. 656,742.

"BENZASTROL"; for oestrogen preparations composed of benzene derivatives (5). By Schiefelin & Co., 16 Cooper Square, New York, U.S.A. B634,623.

"CALANDO"; for pharmaceutical preparations (5). By Nor-Sun, Ltd., 160 Central Drive, Blackpool. 648,874.

"HAIROZENE"; for medicated preparations for the scalp (5). By the Hairzene Co., 568 Kingston Road, London, S.W.20. 651,154.

"ELITONE"; for pharmaceutical preparations of nikethamide for oral administration (5). By Ward, Blenkinsop & Co., Ltd., 6 Henrietta Place, London, W.1. 651,848.

"TOTFAR"; for infants' and invalids' foods and dietetic foods (5). By A. Wander, Ltd., 184 Queen's Gate, London, S.W.7. B652,478.

"J. NICHOLS" facsimile signature and device of two shields; for pharmaceutical preparations and substances (5). By John Nichols Herbal Stores, 6 Station Road, South Shields, Durham. 653,312.

"FERESE"; for pharmaceutical preparations and substances (5). By Paddington Pharmaceuticals, 9 Paddington, Liverpool, 7. B653,568.

"VANOPHANYL"; for pharmaceutical preparations; "ACKERONE"; for weed-killing preparations; "AUROCYTIN"; for pharmaceutical prepara-

tions containing gold (5). By British Schering, Ltd., 167 Great Portland Street, London, W.1. 655,616 and 656,697-98 (Associated).

"ARMOFERRON"; for pharmaceutical substances and preparations (5). By Armour & Co., Ltd., Thornton House, Finsbury Square, London, E.C.2. 655,664 (Associated).

"KILMAX"; for chemical preparations for destroying vermin in the hair (5). By the Killgerm Co., Ltd., Whitechapel Road, Cleckheaton, Yorks. B655,669.

"GLUSAN"; for infants' and invalids' foods (5). By Aktieselskabet Vigaer, Vester Voldgade 131, Copenhagen, Denmark. 656,169.

"SOUCHETS"; for pharmaceutical preparations and substances (5). By Thomas Kerfoot & Co., Ltd., Bardsley Vale Mills, Oldham Road, Bardsley, Lancs. 656,253 (Associated).

"RETROROL"; for pharmaceutical preparations (5). By Ashley & Weeks, Ltd., 165 Mitcham Road, London, S.W.17. 656,670.

"ULCAPS"; for pharmaceutical preparations (5). By Anglo Canadian Drug Co., Ltd., 99 Simcoe Street South, Oshawa, Ontario, Canada. 656,671.

"CHEMICO" in distinctive lettering; for pharmaceutical products (5). By the County Chemical Co., Ltd., 553 Stratford Road, Shirley, Birmingham. 664,714 (Associated).

"EMBASSY"; for non-medicated toilet paper (16). By Phoenix Paper Co., Ltd., 1 Queen Victoria Street, London, E.C.4. 651,580.

"VEL" in distinctive lettering; for non-medicated toilet paper, handkerchiefs, etc. (16). By Velvet Crepe Paper Co., Ltd., Alperton Mills, Mount Pleasant, Alperton, Middlesex. 655,300 (Associated).

"ALFIS"; for combs (21). By Alfis Fabrications, Ltd., Bridge Road, Coalville, Leics. 648,851.

"ORIEL"; for enemas (10). By William Allen, The Green,, Barrowfield, Hove, Sussex. 656,582.

(From "The Trade Marks Journal," March 17)

"GLISS"; for dentifrices (1). By Liss Brothers, Lisbro House, Gillespie Road, London, N.5. B651,783.

"RIMMEL"; for perfumes, non-medicated toilet preparations, cosmetics and soap (3); for medicated toilet preparations (5), all being goods for sale in the United Kingdom and for export to Eire. By Rimmel (Holdings), Ltd., 30 Bollo Bridge Road, London, W.3. 651,941-42 (Associated).

"NIGHT OF PERFECTION"; for non-medicated toilet preparations (3). By J. M. Smith & Co. (London), Ltd., Camelot Street, London, S.E.15. 651,967.

"BABY O'MINE"; for non-medicated toilet preparations (3); for food for infants (5). By John Martin of London, Ltd., 14 Seething Lane, London, E.C.3. B653,660 and B653,659.

"PAXEL," "PAXELLA," "PAXOL" and "PAXUDS"; for soap (3). By Fitchetts, Ltd., 28 Abbey Street, Birmingham, 18. 654,983-86 (Associated).

"BOIS PRECIEUX"; for toilet preparations (not medicated), perfumes, cosmetics and soaps (3). By Société Technique de Parfumerie (F. Millot), 57 Avenue Franklin D. Roosevelt, Paris. 656,741.

BURGOL

ANTISEPTIC



An Antiseptic of the Popular
"PARA-CHLOR-META-XYLENOL" TYPE

Can be recommended for general, medical,
and personal use. The pleasant aroma at-
tained by incorporating Ti-tree Oil makes
an instant appeal to the discriminating user.

4 oz.
Retail 1/3 each
8/6 doz.
plus P.T. 1/3rd

NON-POISONOUS
SAFE AND RELIABLE
3 TIMES STRONGER THAN PHENOL
(Rideal-Walker Test)
FORMS A CLEAR SOLUTION IN ALL
PROPORTIONS WITH WATER
A WORTHY MEMBER OF THE FAMOUS
RED DIAMOND BRAND SERIES

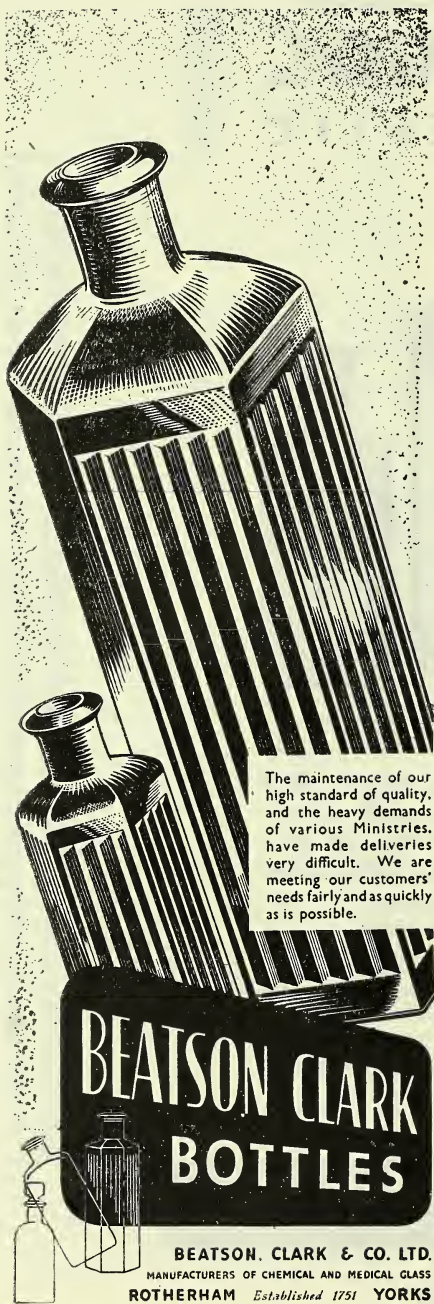
16 oz.
Retail 3/9 each
25/3 doz.
plus P.T. 1/3rd

In two sizes: 4 oz. and 16 oz. Bottles.

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E.6





The maintenance of our high standard of quality, and the heavy demands of various Ministries, have made deliveries very difficult. We are meeting our customers' needs fairly and as quickly as is possible.

BEATSON CLARK BOTTLES

BEATSON, CLARK & CO. LTD.
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM Established 1751 YORKS

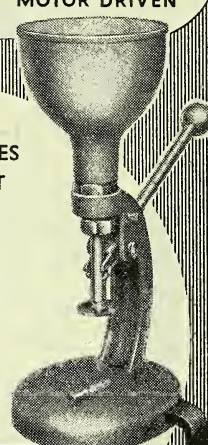
EMULSIFIERS

Q.P. HAND, BELT OR MOTOR DRIVEN

FOR
SMALL TEST MIXTURES
OR LARGE OUTPUT

The hardest and most reliable emulsifier - all working parts non-corrodible. Gives good, stable emulsification of pure liquids or small solids. With two jets, post free U.K. £5. 5. 0. ex-stock

Easy to use Easy to clean



ORMEROD ENGINEERS LTD.
SHAWCLOUGH · ROCHDALE

E.11

Take up a SELSDON PEN

Repair Agency—there's Money in it!

Repairs Returned in 7 Days; 12 months' guarantee; Liberal Profits to Agents

Write for details and showcard to:—

Selsdon Fountain Pen Co. Ltd. (Repair Service)
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TRAGACANTH POWDER our "SOJ" brands

are especially graded for all users and industries
WE ALSO STOCK KARAYA AND ACACIA POWDER

Samples and Prices on application

SALEM (Pulverised Tragacanth) LTD.

50 Moorgate, London, E.C.2 Phone: METropolitan 9628

Telephone :
MAN. HOUSE, 6877
5 Lines

A. REVAI & CO. LTD

7-8, IDOL LANE,
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COMPOUND GRIPE MIXTURE (DUNCAN)

An excellent preparation for the relief of flatulence in babies and the treatment of various digestive disorders of small children.

Pleasantly flavoured, and combining the value of oils of dill and aniseed with sodium bicarbonate in a sweetened base, it is a popular counter line with an all-the-year appeal.

6-oz.
Bottles

1/8

Purchase Tax
Included



Another of the profitable Duncan Counter Lines

**DUNCAN, FLOCKHART & CO. EDINBURGH
LONDON**

Reliance

**MOULDED SEAMLESS HOT WATER BOTTLES
THE ORIGINAL BRITISH**



1948

**OLYMPIA &
EARLS COURT
MAY 3-14**

SEE OUR EXHIBIT

Our production of hot water bottles is steadily increasing, but supplies for the home market are still restricted owing to the demands of our overseas customers, whom it is our duty and our privilege to supply to the maximum. Increased production, it is hoped, will enable us to meet the demands of all our customers, both at home and overseas



RELIANCE RUBBER CO. LTD - LOTS ROAD - LONDON - S.W.10

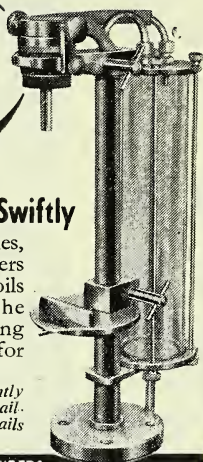
Telephone: Flaxman 6200 and 0985/6

ESTABLISHED 1889

Telegrams: 'Doorstop' Fulroad, London.



Fill it



Simply... Cleanly... Swiftly

Correct filling of bottles, tins and other containers with lotions, emulsions, oils and other liquids—the Ekem Vacuum Filling Machine can do the job for you.

Ekem "1950" Model, efficiently operated by the unskilled, is available for early delivery. Full details upon request.

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RELIABLE

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SEAMED AND SEAMLESS

For special garments to measure
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**SURGICAL BELTS
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50 years' service of
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(AMMONIUM NITROSO—PHENYLHYDROXYLAMINE)

ANALYTICAL REAGENT

Manufactured by

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THE PHARMACY FITTINGS SPECIALIST

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PHARMACEUTICAL, FINE & AROMATIC CHEMICALS

ACETANILIDE PURE & TECHNICAL	CALCIUM MANDALATE	METHYL ACETOPHENONE
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ACID BENZOIC	CINNAMIC ALDEHYDE	METHYL CINNAMATE
ACID CINNAMIC	CINNAMYL ALCOHOL	p METHOXY ACETOPHENONE
ACID MANDELIC	CITRAL	METHYL PHENYLACETATE
ACID PHENYL ACETIC	CITRONELLOL	METHYLPHENYL CARBINYL ACILATE
ACID SALICYLIC	COUMARIN	METHYL SALICYLATE
AMPHETAMINE (BASE, SULPHATE & DEXTRO)	p CRESYL PHENYL ACETATE	PHENYLACETALDEHYDE
AMYL ESTERS OF VARIOUS ACIDS	DIETHYL PHTHALATE	PHENYL ACETALDEHYDE DIMETHYL ACETAL
AMYL CINNAMIC ALDEHYDE	DIPHENYL METHANE	RHODINOL
ANETHOLE	ETHYL ESTERS OF VARIOUS ACIDS	ROSONE
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BUTYL SALICYLATE	ISO EUGENOL	VANBEENOL (ETHYL VANILLIN)
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*Branches throughout
the World*

W. J. BUSH & CO. LTD., LONDON, E.8, ENGLAND



ATTRACTIVELY PACKED
IN DECORATED TIN BOXES
CONTAINING 6 PLASTERS
OBTAINABLE FROM YOUR
USUAL WHOLESALER

WM. MATHER LTD.
MANCHESTER 15

NATIONALLY ADVERTISED

Yet you don't have to stock it!

Lastonet Elastic Stockings are made-to-measure. All you need is a supply of measurement forms—we do the rest. The Public is being told about Lastonet in the Sunday Papers, and Doctors and Nurses in their leading journals. Be prepared to meet inquiries by writing to Lastonet Products, Ltd., Tiverton, Devon, for measurement forms, etc., and particulars of trade discount.

PROMPT DELIVERY

- ★ Made from light-weight, washable elastic net, they combine minimum weight with full support.
- ★ Net construction allows the air to circulate freely over the skin, making the stocking cool and comfortable to wear.
- ★ Made in full-length or knee-length, Lastonet is invisible under the normal stocking.



LASTONET
Featherweight ELASTIC STOCKING

HOW EFFICIENT ARE WE?

Between 1921 when we set up business as carton manufacturers, and the outbreak of war in 1939, we doubled our output approximately every five years.

Since 1945, re-development following war-time concentration has meant an even greater rate of expansion.

The principle which was responsible for our original growth—that survival and success depend upon efficient production, determines our present policy. In pursuit of efficiency, however, we have always been, and we continue to be, actively concerned with the contribution that industry has to make to the social as well as to the economic life of the community.

BOXFOLDIA LTD
BOURNBROOK, BIRMINGHAM

Clear Glass—

BOTTLES with bakelite **CAPS**
JARS with metal or bakelite **CAPS**

Also **CAPS** in quantity to the Trade

Prompt and Reliable Delivery

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Regular Supplies
to the Trade.

Illustrated Catalogue
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PRODUCTS**
(LONDON)

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SUBA-SEAL

★ The SAFETY BOTTLE

WITH ALL THE SELLING POINTS



1948

OLYMPIA &
EARLS COURT
MAY 3-14

SEE OUR EXHIBIT

STAND E44

PATENT NOS.
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WILLIAM FREEMAN
— & COMPANY LIMITED —

SUBASEAL WORKS, PEEL STREET, BARNSELY

Telegrams:

"SUBASEAL, BARNSELY

Telephone:

BARNSELY 4081

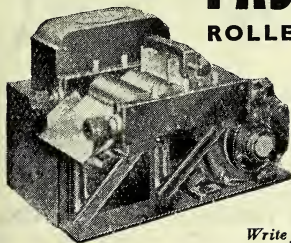
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COMPLETELY VULCANISED
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BEAUTIFUL COLOURS AND
DESIGNS
ENTIRELY BRITISH

for
refining
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An ideal time saver for
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Cuts out the drudgery of
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and produces a much
better product in far less
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or porcelain rolls 2" dia.
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Write for list CD248

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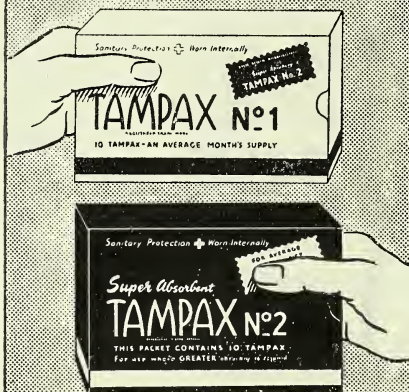
hypodermic

equipment



S. & R. J. EVERETT & CO. LIMITED
939 LONDON ROAD, THORNTON HEATH, SURREY

Display them



Side by Side

They sell separately and they sell together—let one help the other by displaying them side by side. Experience shows that when the new Super Absorbent Tampax No. 2 joins Regular Tampax No. 1, all-over sales of Tampax in that market increase by as much as 50%. That's business worth seeking.

TAMPAX

Sanitary Protection Worn Internally

REGULAR TAMPAX No. 1
Retail: 1/9d. per packet. Trade
15/9d. per dozen packets.

SUPER ABSORBENT TAMPAX No. 2. Retail: 2/- per packet. Trade: 18/- per doz. pkts.

TAMPAX LTD.

Sales Office:

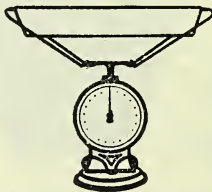
110 Jermyn Street, London, S.W.1
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Where women see—they buy

MORE AND MORE SALTER SCALES



FOR MORE AND MORE NURSES



The maintenance of Salter accuracy is as vital to correct weight as the maintenance of correct weight is to health.

SALTER

SELF-INDICATING SCALES

GEO. SALTER & CO. LTD., WEST BROMWICH

M-W.147

HERE'S A CORN

REMEDY YOU CAN'T BEAT
Hobson's Choice removes Corns in 3 to 7 days, it is safe, sure and painless. Backed up by widespread advertising it has become the leading CORN CURE on the market to-day.

Hobson's Choice
FEET PLAISTERS POWDERS

Retail Prices:

Plaisters - - 2d.

Powders - - 1½d.

Combination Pack - 9d.



HOBSON TRIMBLE & CO., LTD.,
UNION HOUSE, LEEDS, 2

Sole distributors for Scotland:
SOUTHERN MANUFACTURING CO., LTD.,
187, St. Vincent Street, Glasgow, C.2.

*And now the TEAT with ALL the
selling points*

- CUSHIONED FOR MOUTH-COMFORT
see special moulded ribs
- EASY FITTING
note divided stem
- PURE LATEX CONSTRUCTION
permits repeated sterilization
- EXTRA SAFE BOTTLE-GRIP
by moulded safety ring
- ANTI-COLIC DESIGN
medically recommended
- ALWAYS SOFT AND RESILIENT
smooth feed flow



REG. DESIGN AND
PATENTS APPLIED FOR

MARIGOLD
REG'D.
Cushion
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*Companions
in Comfort*

MARIGOLD
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Cushion
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J. ALLEN & COMPANY · CHELTENHAM · ENGLAND



“ZEMS”

HERBAL LICORICE TABLETS

**THE BEST MEDICATED TABLETS
FOR COUGHS, COLDS,
ASTHMA, BRONCHITIS, ETC.**

*Supplies may be obtained from C.F.
Wholesale Houses.*

ZEMS, LTD.

718-724 Seven Sisters Road, London, N.15



Many high quality
NORTH BRITISH
rubber products
in steady demand
are obtainable
through your
wholesaler.

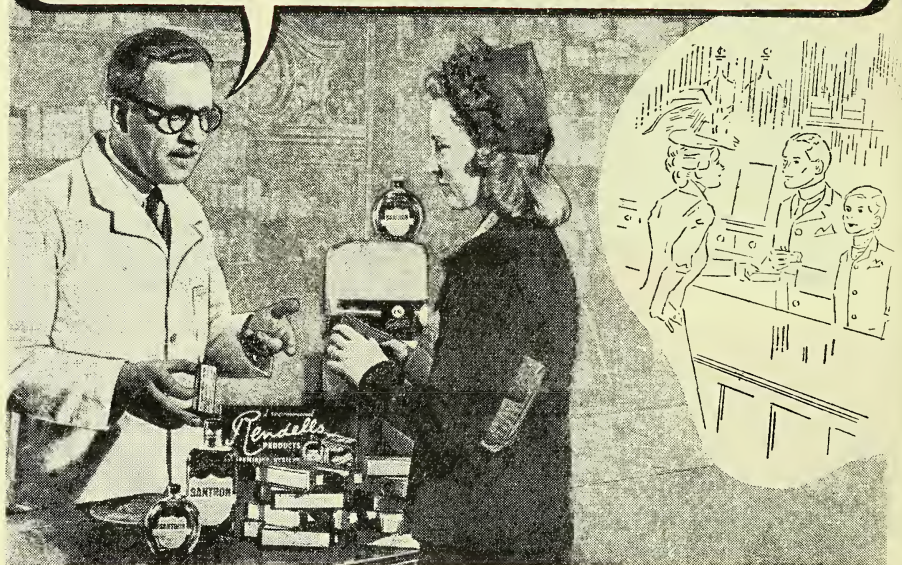
NORTH BRITISH

Pneumatic Cushions,
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Nursing Aprons,
Water Beds, Cot
Sheets, Combs, etc.

FOCAL POINT FOR RUBBER PRODUCTS



It's a tradition with us



"Yes, Mrs. Dale, we have been established a very long time and ever since I can remember from my apprenticeship days here, we have always recommended Rendells. No, the transparent wrapping is not new. It was always a feature of Rendells packing before the war, and is just another indication the product is back to normal."

**ON BOTH SIDES OF
THE COUNTER**

THERE'S CONFIDENCE IN



Rendells

NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E. C. 1

MEET THE CONSTANT DEMAND FOR A SANITARY
TOWEL OF QUALITY, WITH

SILCOT

The quality of Silcot Towels is appreciated today by more women than ever. The cotton wool used in their manufacture, combined with the smooth knitted covers, ensures a degree of comfort which is not surpassed.

A feature of Silcot is the *stitched loops*. These are sewn to the cover, and make the towel safe and dependable in wear.

Silcot towels are available in five different sizes, including Maternity pads, which are of suitable thickness and absorbency.

SILCOT SANITARY TOWELS

MACDONALD & SON LTD., DAWSON STREET, SALFORD, MANCHESTER, 3



BRINGS MOST PROFIT TO YOU



Ask your
Wholesaler
for "Leda"
Baby Powder
per **1/6** tin

INCLUDING PURCHASE TAX

Sole Agents for N. Ireland: Whyte Reid & Mitchell, Ltd.
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Manufacturers:

LEDA CHEMICALS LTD., Ponders End, Middx.

*How to sell
more Sparklets Bulbs!*



Offer your customers the **Sparklets Syphon Repair Service** . . . even the most dilapidated syphon can now be rebuilt as new provided the glass vase is intact. It's not just a case of "make do and mend"—It's *sound business*.

★ Write for showcard and list of repair charges

SPARKLETS

Sparklets Ltd., Service Dept.,
EDMONTON, LONDON, N. 18

RENOVATION
AND REPAIR
SERVICE

Wrens
(PTY) LTD

MANUFACTURERS' REPRESENTATIVES
AND WHOLESALE DISTRIBUTORS
P.O. BOX 1689 JOHANNESBURG
SOUTH AFRICA

Sole Distributors and Stockists for
REVLON EXPORT Corp., NEW YORK,
also VIV Pharmaceuticals Ltd.,
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for non-competitive Agencies
In TOILET, PATENTED and
PROPRIETARY PREPARATIONS
for the UNION of SOUTH AFRICA,
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East Africa, S.W. Africa and Nyassaland.

For all our Purchases
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NOW SHOWING!

—in hundreds of homes where 16 mm. projectors
provide entertainment for the winter evenings.

**NOW SHOWING, too, in high-class Photo-
graphic Dealers' shop windows up and down
the country—"CLAPA" MINIFILMS**

A series of delightful 100 ft. x 16 mm. silent
safety films—many titles already available and
new ones constantly being added. Each film
packed in an attractive "Wedgwood" carton—a
really ready-selling line which bring "repeats"
as purchasers build up their own film libraries.
Place your order early to make sure of prompt
delivery.

RETAIL PRICE 30/-



Write for full details and Trade Terms:

CLAPHAM PARK FILM STUDIOS LTD
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'Pharmitex'
PURE
TOILET TISSUE is post war
quality and for
Chemists only.



HAROLD WESLEY LTD.
HARLEY MILLS, LONDON, N.W.10

NEW, or SECONDHAND MACHINERY
or Chemical Plant of any kind

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(PERCENTA LTD.)

Percenta House, 130/2 Tooley Street, London, S.E.1.

Containers of Metal
Glass, Aluminium
and Plastic

Tel: Hop 0516 (6 lines)

THE RELIABLE
Edosan
SANITARY TOWELS

PURE COTTONWOOL THROUGHOUT

EDOSAN LTD. 189, CARLTON VALE, LONDON NW6

WYLIE'S

Abrasive

HAND SOAP

*It's QUICK -
It's GOOD!*

INVALUABLE IN THESE DAYS OF SOAP SHORTAGE

This is the scarlet and pink tin that catches the customer's eye — outstanding on your shelf, compelling in its attractiveness; WYLIE'S Abrasive HAND SOAP is kind to sensitive skins, it cleans and protects hands, making them soft and supple while gently removing grime. No grit, acid or caustic. A quality line worthy of warm recommendation. Write us now for full details.

WYLIE'S CLEANSERS LTD., 12 DARTMOUTH STREET, LONDON, S.W.1

NO
COUPONS
1/3
IN THE PINK
AND RED TIN



Sally Sprim says:

**"I'm your 1948
pin-up girl..."**

Sally Sprim's leap-year proposal is that we get together and promote SPRIM Sales to a record peak for any household ammonia. SPRIM is being advertised to a nation-wide market. The SPRIM Sales Story is unique, it is the *only* household ammonia with triple-cleaning-strength and 'VITALIZED' BLUE. Displays mean Bigger Profits — remember, no poison licence is required for the resale of SPRIM.

Retail prices 10d. and 1s. 6d. per bottle.

**'Vitalized' blue
SPRIM**

British Disinfectant Co. Ltd., Tottenham, N.15

TRIPLE-CLEANING-STRENGTH *Blended* **AMMONIA**



**WATCH ME PREVAIL
AT THE POINT OF SALE!**

says 'TIBS'
the kittenish
cat



*Just off
the press!*

NEW 'TIBS' WINDOW BILLS

Colourful—appealing—convenient size

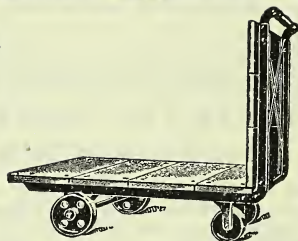
These new window bills enable you to tie up with the powerful 'Tibs' advertising in the national and provincial press—and get your full share of 'Tibs' ever-increasing sales. The cat illustrations are drawn in three colours by 'Tibs' special artist, whose work is so popular among cat owners everywhere. The bills are designed to a tall narrow proportion, and provide a striking display while occupying a minimum of window, door or wall space. Apply at once for either or both designs to Bob Martin Ltd., Southport, Lancs. Only a limited number of bills are available.

TYNE TRUCK & TROLLEY
CO. LTD

66/68
NORTHUMBERLAND
STREET



NEWCASTLE
UPON TYNE



Trucks and Barrows of every
description.

Carboy-Tilters,
Sackholders, Etc.

LIQUINURE
LIQUID MANURE

The Pioneer Brand,
nationally advertised.
Make sure to have suf-
ficient stock for Spring
and Summer demand.
3/- per bottle (3 types)
from your Wholesaler, or

LIQUINURE SALES
Durham Rd., Elstree,
Herts.

FLIT

WITH D.D.T

Sells First—and Fast!

FLIT is the first name folks think of, when bent on pest-destruction: it's been No. 1 insecticide for years and years and years. And now it's *Flit with D.D.T.*—two great names in one! No wonder it sells first—and fast! Order your stocks *now*—display FLIT in your window and on your counter!

AND NOW *Flit Powder*

There's *powder*-Flit, too—in neat, attractive, self-contained 'puffers.' Equally powerful, just as quick to kill (and sell) as well-known liquid Flit. In 2-dozen display cartons.

TRADE TERMS

Liquid—Retail		Trade	
2/6 size	16 oz.	21/-	per dozen
4/6 "	32 oz.	38 -	" "
18/- "	160 oz.	150/-	" "
Sprayers	3/2	27/10	" "
Powder			
1/3		10/-	" "

Another
big
seller!



STEMCO LTD., 128 ALBERT ST., CAMDEN TOWN, LONDON, N.W.1



ORDER NOW!

FLIT with D.D.T.—LIQUID AND POWDER

A new chapter in moth-proofing



"MOTHOLIN" kills immediately and keeps on killing moth and grub for months after one application without harm to even the most delicate fabrics. It renders clothes, furs and woollens moth-proof without leaving stain, trace or smell.

Retail price 3/6 (no tax)
SHOWS 50% PROFIT ON OUTLAY.

Nationally advertised—Display material on request.

Sole Agents—SPLENDOR LABORATORIES,
7c Lower Belgrave Street, LONDON, S.W.1

Manufactured by—FUBEX LTD.
LONDON, W.1 and SITTINGBOURNE

* "MOTHOLIN" is the new name given to "FLYOLIN" to make its purpose more distinct to the public.

MOTHOLIN

(Formerly known as FLYOLIN)

GARDINER'S FOR Overalls



JACKETS

FINE WHITE DRILL, 2 coupons
Button 3, 32 Outside Pockets,
Chest—32" to 46" - 10/11
Post and packing 1 or 2—9d.

LONG COATS

WHITE, KHAKI or GREY, 3 coupons
3 Outside Pockets.
Chest—34" to 46" - 15/-
" 48" " 50" - 17/3
" 52" " 54" - 17/6
Post and packing 1—9d., 2—1/-
ALL SHRUNK

State Chest Measurement. Send
Cash and Coupons with Order,
over £2 Carriage Paid.

GARDINER & CO. (The Scotch House) Ltd.
1, 3 & 5 COMMERCIAL ROAD, LONDON, E.1
Opposite Aldgate East Station Phone: B18 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
CLAPHAM, S.W.11

GI

SANIPAN

LAVATORY CLEANSER

one of
**WALKERS
APPROVED
PRODUCTS**

Supplies available immediately. Order from usual wholesaler. Sells at 1/3 per large screw-top tin (25% retail profit). High quality product backed by national advertising, free sales literature, full colour showcards, display matter, etc.

W. & F. Walker, Ltd., Liverpool



BE CERTAIN TO STOCK GIBBS SLUG & SNAIL KILLER!



Used and recommended by leading horticulturists, GIBBS Slug and Snail Exterminator is rapidly becoming the most popular product of its kind on the market. Prepare now to meet the season's certain demand!

SOLD BY CHEMISTS ONLY

Packed in attractive cardboard cartons for counter display.

TERMS: 10/- Per Dozen
33 $\frac{1}{3}$ % Profit

Not Subject to Purchase Tax. P.A.T.A. Line

Send your orders and inquiries to:

RETAIL PRICE
1'3
PER PACKET

J.R.Gibbs Ltd.

MANOR AVENUE
PAIGNTON

S. DEVON
Telephone: PAIGNTON 82282 (3 lines)

It's **CONTINUOUS** QUALITY THAT COUNTS



—and this consistently maintained quality will ensure **CONTINUOUS SALES** of COX'S D.D.T. FLY and MOTH PAPERS; so be sure and stock up **NOW** to meet this ready-made demand. **GUARANTEED 100%** impregnation and two-year life, and proved to be the simplest and most effective solution to the fly menace, for **FLIES DIE IN 5-15 MINUTES.**

Cox's

D.D.T. FLYPAPERS

JAMES COX & CO.

Manufacturing Chemists
378, NORTHOLT ROAD,
SOUTH HARROW, MIDDLESEX.
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FRIARS BALSAM PASTILLES,

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Carriage Paid.

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7½ & 5 grain Packed 10's to 1,000's
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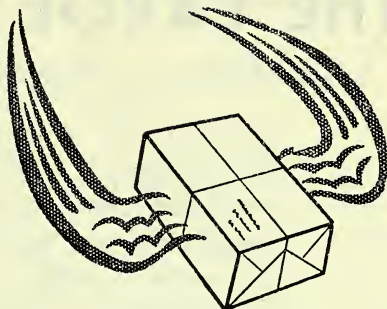
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COUNT THE COLDS

that come to your counter!

EVERY PERSON WHO
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WITH A COLD, A COUGH
OR A SORE THROAT
SHOULD GO OUT WITH A
CARTON OF MACAULAY'S
BRONCHIAL TABLETS

Make an *additional* sale to every customer who has a cold; sell a carton of Macaulay's Bronchial Tablets. Their *high therapeutic value* is due to a carefully controlled formula, their *pleasant taste* to a 70% sugar content with skilfully blended aromatic ingredients. The result is a strong, palatable sweet which fills the mouth with warming, soothing flavours. *You can feel it doing you good.*

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★ Macaulay's Bronchial Tablets ★



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Cash in now on this brave new brush! Everything is in its favour—the fascinating look of it, the thrilling feel of it, and the world-wide reputation of the Halex name.

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THE ANTISEPTIC SELF-ADHESIVE BANDAGE

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Show it to your customers, and you'll find it sells itself.

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DISCRET—is a quota line. Supplies, therefore, have definitely to be restricted. But any retailer can have 3 dozen (one order only) plus this attractive small counter display.

RETAIL PRICE (inc. tax)

2/9 PER JAR

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PURCHASE TAX (50% of highest Trade Price) **9/-** per doz.

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For Baby's Sake
AND FOR YOURS

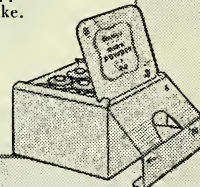
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Every dozen supplied in an attractive display carton.

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TAKES THE PLACE OF SOAP

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LATHFOME feels and acts like soap... it lathers and cleanses. Suitable and safe for all household uses. Cannot harm delicate skin or precious fabric.

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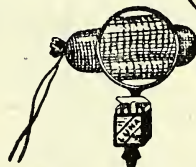
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MODERN
SANITARY
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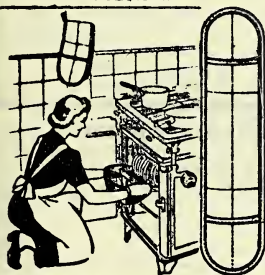


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HOLLAND. Dutch Pharmaceutical and cosmetic works with suitable machinery for manufacturing, filling, packing and labelling invite offers from British manufacturers to work for them on royalty basis. Sole agency can also be arranged. Box No. 3/231.

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12/- plus 15/- tax - Retail 2/9

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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2.

APRIL 3
1948

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6/6 for 36 words or less, 3d. for every additional word

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ASSISTANT required, qualified or unqualified, male or female. No N.H.I. No Sunday or holiday duties. Excellent living accommodation can be arranged. Please state usual particulars. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

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BIRMINGHAM. Manager required for branch shop with fairly busy dispensing. Position is a permanency and salary with commission on net profits is offered to suitable applicant. Plenty of scope for pharmacist (either sex) with energy and initiative. Full particulars and when free, to C. L. Highfield, Ltd., Bearwood Road, Smethwick, Staffs.

BOOTS, THE CHEMISTS, invite applications from qualified assistants, male and female, particularly those who have recently completed their course of study, and from fully trained unqualified assistants under 35 years of age. Applications, stating age, experience, district preferred, etc., to Retail Staff Department, Station Street, Nottingham.

BRANCH MANAGER wanted. Sole charge. Lady or gentleman. Part-time lady assistant employed. Elders, 16 Dunstable Rd., Luton.

BRISTOL. Qualified assistant wanted (either sex). Chiefly for dispensing. Please apply with usual particulars to Strode Cosh & Penfold, Ltd., 69 Easton Rd., Bristol, 5.

CHEMIST or chemist - optician required as manager of branch shop with substantial turnover. 44-hour week and no extra duties. Flat available if required. This is a permanent and progressive post with a good salary and superannuation scheme. Apply to Peterborough Co-operative Chemists, Ltd., Park Rd., Peterborough.

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NATIONAL CO-OPERATIVE CHEMISTS, LTD. The above Society has vacancies for two Area Supervisors for the South Wales and South-Western Area and the Manchester and Northern Area. The persons appointed will be directly responsible to the Superintendent Chemist for the Society's pharmacies and developments in those areas. Both positions offer exceptional scope for advancement. Applicants must be suitably qualified and should apply in writing, stating age, qualifications, experience, and salary required, to the Secretary, National Co-operative Chemists, Ltd., 1 Balloon St., Manchester, to be received not later than April 13, 1948.

MANCHESTER & SALFORD Equitable Co-operative Society, Ltd., invites applications from pharmacists for the positions of manager for central pharmacy and a branch manager. Permanent and progressive positions. Superannuation scheme. Applications, stating age, experience, and salary required, to: Superintendent Chemist, 67 Downing St., Manchester, 1.

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PHARMACIST accustomed to handling best class merchandise required for a West End pharmacy. Position would suit young man wishing to gain further experience. Elderly pharmacist not objected to provided he is active. Apply Superintendent, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1.

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SHOULD YOU TAKE PRIDE in your profession and consider yourself a pharmacist of repute and skill, why not join our organisation? You will find conditions of service both interesting and profitable. There are several vacancies, one or two with accommodation. Write for an appointment to discuss terms with the Superintendent Chemist, 54 Maryland St., Stratford, E.15.

THE BRIGHTSIDE & CARBROOK Co-operative Chemists, Ltd., invite applications from qualified pharmacists as branch managers. Write, stating age, experience and salary required, to Superintendent Chemist, 32 Sycamore St., Sheffield, 1.

THE BRIGHTSIDE & CARBROOK Co-operative Chemists, Ltd., invite applications from unqualified assistants as dispensers. Write, stating age and experience, to Superintendent Chemist, 32, Sycamore St., Sheffield, 1.

UNQUALIFIED MALE ASSISTANT required, age 30-35. West End experience preferred. Apply Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1.

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EASTBOURNE. Locum for dispensing and counter relief, August 16 to September 11. Full details of experience and salary required. J. Forbes, 10 Ocklynge Parade, Eastbourne.

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QUALIFIED CHEMIST, middle-aged bachelor or young unmarried man who is prepared for a quiet life, required to manage rural pharmacy in native town having population 100 Europeans and 20,000 natives. Salary, £500 per annum, plus free board and lodging and 5 per cent. commission on profits. Three months' notice either side. Available recreations: Golf, tennis and cricket. Applications with full particulars experience and qualifications to Blackbeard Bros., Serowe, Bechuanaland Protectorate, South Africa.

DISPENSER'S qualified M.P.S. required by Mufulira and Roan Antelope Copper Mines in Northern Rhodesia. Part-time clerical work involved. Starting salary £480-£600 p.a. depending on experience, plus bonus, pension and cost-of-living privileges. Write for official application form to Mufulira Copper Mines, Ltd., Selection Trust Building, Mason's Av., Coleman St., London, E.C.2.

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A CHIEF ASSISTANT CHEMIST is required by a well-known company in the North-west engaged in the proprietary medicines and general pharmaceutical fields. The duties include supervision of separate control and research laboratories and investigation of technical problems arising in both export and home markets. Minimum qualifications are Ph.C. or B.Sc. (Pharmacy), preferably with additional qualifications and some research experience, and the appointment is both permanent and progressive. Write in confidence, giving fullest details, to Box 3/247.

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EUCRYL LTD. require a full-time representative (with car) to cover retail houses in Lancashire, Cheshire, North Wales. Write, Sales Manager, 7 & 9 Oakley Rd., Shirley, Southampton.

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EXCELLENT SCOPE for a first-class representative offered by old-established London manufacturers of consistently advertised perfumery and toilet preparations. The territory comprises London, W., S.W. S.E., Kent, Surrey and Sussex. Applicants should have experience of the trade and be car owners. Liberal salary, expenses and car allowance. Write fully in first instance to Box 3/129.

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FLAVOURING ESSENCES. Man required by old-established London house with knowledge of manufacturing and compounding. Would also be required to co-operate in the formulation of new products. Write giving full particulars of experience, age, and salary required to Managing Director, c/o Box 3/302.

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A PROMINENT London firm manufacturing pharmaceutical products requires a qualified chemist with sound knowledge of production and research. The vacancy is due to continued expansion of the business and is a permanent post offering unlimited scope. A good salary will be paid. Apply, giving full details of age, qualifications and experience, etc., to Box 3/217.

MANUFACTURING and wholesale chemists require young pharmacist to call upon chemists in Manchester area. Previous experience not essential. Car owner preferred. Full details indicating salary required to Managing Director, Westmacott & Son, Ltd., Manchester, 4.

MANUFACTURING CHEMISTS marketing range of superbly presented proprietaries invite applications from conscientious and thoroughly experienced representatives for the following territories: 1, Kent, Surrey, Sussex, Hants. 2, Five Midland Counties. 3, West Country. 4, Wales and Border Counties. Sole agents considered providing not more than two lines handled. Applicants must own car and have well-established connections with retail and wholesale chemists, stores and Co-ops. Existing accounts transferred. Fullest support given. Excellent prospects, progressive remuneration. Complete information, in confidence, essential prior to interview. Include age, basis of remuneration preferred, exact area covered and frequency of calls, if references available. Box 3/271.

OLD-ESTABLISHED CHEMISTS' sundriesmen require full-time representative for West/North-west London. Must be experienced. Preference given to one with own connections, knowing area. Existing remunerative connection will be handed over. Car provided. Full support guaranteed. Salary and/or commission. Staff pension scheme. Full details, references, etc., to James Hardcastle & Co., 20 High Holborn, W.C.1.

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PILL AND TABLET COATER, experienced in all types of coating work, 5-day week. Apply Castle Huskisson, Ltd., Moon St., Islington, N.1.

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REPRESENTATIVES required for Scotland, Eire, Yorkshire, North Wales, Shropshire, Staffordshire, Hertfordshire and Southern England for advertised line. High commission. Box 3/309.

REPRESENTATIVES required for widely advertised line. London area. High commission and full expenses. Box 3/310.

REPRESENTATIVES required, commission basis, to handle range of pharmaceutical products, sundries, etc. Send full details, stating territory covered, Box 509, Arthur S. Dixon, Ltd., 229 High Holborn, London, W.C.1.

REPRESENTATIVES or agents required for all areas, connection with retail and wholesale chemists, hairdressers, Co-ops., stores, etc., necessary. Good commission or salary and commission for full representation. Apply to Box 2/293 with full details of experience, area covered and other lines carried.

REPRESENTATIVE, must be qualified, required by Hirst Brooke & Hirst, Ltd., to take over and develop a soundly-established connection with retail chemists in an area centred around Manchester. Previous experience is an advantage but not essential. Reply in strict confidence to Managing Director, Sheepscar Works, Leeds, 7.

REPRESENTATIVE required by firm of manufacturing chemists to call upon doctors, chemists and hospitals in connection with high-class ethical pharmaceutical products. Salary, commission and expenses basis. Area: East Essex and Eastern Counties. Applicants must reside on the ground. Box 3/300.

REPRESENTATIVES required for (a) Warwicks, Worcs, Shrops, and Staffs, (b) Glasgow and S.W. Scotland, (c) Bristol and S.W. Counties, (d) Manchester and E. Lancs, by manufacturing chemists marketing nationally advertised branded line and other products. Essential qualifications: Well-established chemist connection; own car and first-class sales record. Remuneration: Salary, car allowance, hotels and commission. Send full details with copy references, Box 3/191.

SALESMEN for first-class vanishing cream, brillian-tine, etc. Generous commission, expenses and full backing; for North, Midlands, Western Counties. Write: The Velvia Company, 130-2 Rice Ln., Liverpool, 9. (Established 1919).

SALES MANAGER required by manufacturing chemists (N.W. London). Only applicants with sound experience need apply. Good salary and prospects. Please give details, including qualifications, age, etc., to Box 3/218.

SALES REPRESENTATIVE required by manufacturing chemist marketing nationally advertised toilet and medicinal products for a territory comprising Northumberland, Durham, Westmorland and Cumberland. Successful applicant will be entitled to join a superannuation scheme and will be provided with a motor car. Write, stating age, experience and salary required, to Box No. F.2200, Bensons, Kingsway Hall, London, W.C.2.

SHARP & DOHME, LTD., will consider applications for a number of appointments to their medical representative staff in various parts of Great Britain and Ireland. The work consists of introducing ethical specialities, mainly products of original research, to medical men and pharmacists. Applicants should be under 35 years of age, having a medical or pharmaceutical background, and keen to conduct medical propaganda. Previous experience not essential as an initial training will be given. Please submit brief personal details, together with photograph, to Homes Sales Manager, Sharp & Dohme, Ltd., Hoddesdon, Herts.

STAFFORD ALLEN & SONS, LTD., require an assistant analyst of B.Sc., A.R.I.C. or equivalent standard. Previous experience of the analysis of drugs and galenicals including alkaloidal assays necessary. Knowledge of essential oil analysis an advantage. Salary according to qualifications and experience. Apply by letter to Department D/W/M, Wharf Road, London, N.1.

WANTED. Assistant industrial process chemist for London chemical works. Applicant should be up to Inter B.Sc. standard and will be given opportunity and encouragement for further study. Write, giving details to Leda Chemicals, Ltd., Wharf Rd., Ponders End, Middx.

WELL-KNOWN Lancashire manufacturing chemists require chemist to take charge of manufacture of wide range of medicinal and toilet preparations; also to develop new lines. Previous similar experience and Ph.C. qualification desirable. Permanent and progressive post. 5-day week. Box 3/313.

WHOLESALE SUNDRIES HOUSE with own proprietary lines and large range of branded lines, toilet brushes, sundries, perfumery, fancies and patents, require representatives, own car, with established connections amongst chemists, stores, Co-ops. and hairdressers, on commission basis. Box 3/279.

YORKSHIREMAN required to represent well-known firm of manufacturing chemists in Yorkshire. To call on doctors, chemists and hospitals. Good scope to the right man. Car owner preferred. Write fully, stating age, experience and salary required. Box 3/235.

WHOLESALE (OVERSEAS)

VACANCY arises in Kenya for young, single pharmacist for general pharmaceutical and medical propaganda work. Advertiser has agency for large firm of British chemical manufacturers. Write Box 102, Smiths', 100 Fleet Street, London, E.C.4.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

STOCK TAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

UNQUALIFIED, 50. Wide experience. Used to taking charge. Good dispenser, salesman, window-dresser. Active, married, requires change. Apply Box 3/297.

LOCUMS SEEKING ENGAGEMENTS

LOCUM WORK required by young lady pharmacist for any period May to September. Any district considered, provided reasonable accommodation. Experienced retail and hospital locums. 10 guineas per week. Box 3/295.

WHOLESALE

CHANGE OF TERRITORY is desired, preferably to West of England or London area, by first-class representative with 20 years' direct selling experience in the drug, toilet and photographic trades. Highest trade and personal qualifications. Age 43, married; public school education; five years Royal Navy; keen, adaptable and conscientious worker. First-class house wanted where genuine representation and personal effort is appreciated. Box 3/245.

CHEMIST available to advise on production problems, suggest new lines, carry out researches, organise laboratories. Very moderate fees. Box 3/267.

EXPERIENCED REPRESENTATIVE calling wholesale chemists, hairdressers, sundriesmen, grocers, Co-ops., etc., in London and Home Counties, seeks additional line by manufacturers of repute. Complete coverage and regular calls guaranteed. Own car. Commission basis. Box 3/281.

FIRST-CLASS REPRESENTATIVE with excellent connection chemists, departmental stores, London and Middlesex, desires change with firm of repute. Salary, commission, expenses. Box 3/283.

FIRST-CLASS REPRESENTATIVE, aged 38, with 13 years' selling experience, seeks one additional firm of repute for the West Country. Well-introduced to all chemists, stores, Co-ops. in the area. A genuine representation by a hard worker with an outstanding sales record. Excellent references. Box 3/296.

GENTLEMAN with 30 years' wholesale connection amongst London and suburban wholesale hairdressers' sundriesmen and chemist sundriesmen desires suitable articles direct from factory capable of showing £1,000 per year commission. Box 3/291.

LIVE WIRE SALESMAN calling chemists, etc., London and Home Counties, North of Thames, with certain sundry and pharmaceutical lines, guarantees good repeat business for goods with real sales potentialities. Pioneer lines welcomed. Requires sole representation for area. Unusual opportunity for manufacturers or importers. Box 3/246.

REPRESENTATIVE, 27 years' outside with present firm, having live, large connection, retail trade, desires additional line, commission basis. Northumberland, Durham, Westmorland, Cumberland. Car used. Box 3/311.

REPRESENTATIVE, Northern Ireland, seeks additional fast-selling line by firm of repute for pharmaceutical trade; commission basis. Box 3/282.

REPRESENTATIVE with sound connection chemists, hospitals throughout Home Counties and West England, requires position with firm of repute. Own car. Box 3/308.

SALES MANAGER (F.S.M.A.) with proven record of successful selling and executive experience; specialised knowledge of marketing, selling and distribution through the chemists' trade and chain stores; thoroughly conversant with budgetary control, sales forecasting and organisation, export practice and all phases of sales management. Box 3/298.

Active and reliable REPRESENTATIVE

representing well-known House in W. and S.W. London and adjacent counties, desires change.

Car owner, with knowledge of wholesale drug and perfumery trades. Box 3/285.

APPOINTMENTS

COUNTY BOROUGH OF WEST HAM

Applications are invited for LOCUM ASSISTANT PHARMACIST at Central Home, Union Road, Leytonstone, E.11, and Forest Gate Hospital, Forest Lane, Forest Gate, E.7 (joint appointment).

Salary £9 per week.

Post is governed by Council's regulations.

Applications, stating age, qualifications and experience, to be sent to Medical Officer of Health, 225 Romford Rd., West Ham, London, E.7.

KENT COUNTY COUNCIL CHIEF PHARMACIST

Applications are invited for the following appointment at the COUNTY HOSPITAL, CHATHAM.

CHIEF PHARMACIST (M.P.S. or P.H.C.), either sex. Should have had not less than three years' hospital experience after qualifying.

Salary £485 a year by five increments of £20 to £585 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,

Clerk of the County Council.

County Hall, Maidstone.

March 17, 1948.

MANCHESTER CORPORATION

Health Department

WITHINGTON HOSPITAL (adult, general), 1,150 beds.

LOCUM TENENS ASSISTANT PHARMACIST (male or female) required for a period of 4 months commencing in June or for any part of that period.

Salary at the rate of £400 per annum for full-time or 5s. 6d. per hour part-time.

Applications stating age, qualifications and experience are to be addressed to the Medical Superintendent, Withington Hospital, West Didsbury, Manchester, 20, as soon as possible. 23/3/48.

METROPOLITAN HOSPITAL**Kingsland Road, E.8**

ASSISTANT PHARMACIST required. Salary in accordance with J.N.C. Scale, plus lunch and tea. Federated superannuation scheme in force. Hours 9 till 5. No Sunday duty. Hospital experience preferred, but not essential. Applications, giving age, experience and references, to the House Governor.

MIDDLESEX COUNTY COUNCIL

LOCUM PHARMACIST (fully qualified) required by MIDDLESEX COUNTY COUNCIL at ASHFORD COUNTY HOSPITAL, Ashford, Middlesex, from June 7-August 14 inclusive. Salary from 8-10 gns. per week incl. according to experience. Application stating age, quals., exper., with copies of up to three testimonials to MEDICAL DIRECTOR of Hospital by April 17 (quoting D.892CD).

MIDDLESEX COUNTY COUNCIL

LOCUM PHARMACIST required by MIDDLESEX COUNTY COUNCIL at WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middx. IMMEDIATELY for an indefinite period. Salary £8 8s. to £10 10s. inclusive, according to experience. Applications to MEDICAL DIRECTOR of Hospital with copies of up to three testimonials (quoting D.949CD).

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hosp. Staffs) salary, £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment, subject to medical exam. Application stating age, quals., exper., with copies of up to three recent testimonials to MEDICAL DIRECTOR at Hospital IMMEDIATELY (quoting D.950CD).

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

MIDDLESEX COUNTY COUNCIL

ASSISTANT PHARMACIST required at WEST MIDDLESEX COUNTY HOSPITAL, Isleworth, Middlesex. J.N.C. (Hosp. Staffs) scale £370 p.a. to £450 inclusive. Similar experience may determine commencing salary. Must hold one of Pharmaceutical Society's qualifications. Whole-time duties under Medical Director and Chief Pharmacist. Established, subject to medical examination. Applications, stating age, qualifications, experience, enclosing copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital (quoting D.570 CD).

MIDDLESEX COUNTY COUNCIL

LOCUM ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. Salary 8-10 gns. per week, incl., according to experience. Applications IMMEDIATELY to MEDICAL DIRECTOR of Hospital (quoting D.886CD).

QUEEN MARY'S HOSPITAL FOR THE EAST END**Stratford, E.15****ASSISTANT PHARMACIST**

Applications are invited from registered pharmacists for this appointment. Salary scale, £370 per annum with annual increases of £15 up to £450 per annum. Commencing salary within Scale according to qualifications and experience. Federated Superannuation Scheme in force.

Applications giving full particulars of age, qualifications and experience, and copies of recent testimonials, should be sent as soon as possible to the undersigned.

M. J. HUNTLEY,
House Governor and Secretary.

REDHILL COUNTY HOSPITAL,**EDGWARE, MIDDLESEX.**

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately (quoting D.815 CD). No forms.

SOUTHEND MUNICIPAL HOSPITAL**Rochford, Essex****LOCUM ASSISTANT PHARMACIST**

Locum Assistant Pharmacist required for 6 weeks Holiday Relief after April 1, 1948, dates to be arranged with successful applicant. Apply in writing to the Medical Superintendent, Southend Municipal Hospital, Rochford, Essex, stating dates available. Salary £8 10s. per week, non-resident. All possible assistance will be given in finding accommodation in the district without obligation to the hospital.

ARCHIBALD GLEN,
Town Clerk.

Municipal Buildings, Southend-on-Sea.
March 20, 1948.

THE STOCKPORT INFIRMARY

Locum Pharmacist required for one week May 31st to June 5th both dates inclusive, and for two weeks September 13-25th both dates inclusive. Terms £10 10s. per week, plus railway fare. Apply to the Secretary-Superintendent.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at: ST. HELIER COUNTY HOSPITAL, Carshalton.

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive.

Applications in writing, stating age, qualifications and experience with copies of not more than three recent testimonials, should be sent to the Medical Superintendent of the hospital.

SURREY COUNTY COUNCIL

ST. LUKE'S HOSPITAL, GUILDFORD. PHARMACEUTICAL PUPIL (male or female) required. Preference will be given to candidates who have passed the final examination for a University Degree in Pharmacy or the Pharmaceutical Chemist Qualifying Examination. Salary will be £200 per annum inclusive for candidates who have passed one or other of these examinations, and in the case of other candidates will vary according to age and experience of pharmaceutical work possessed by them. Further particulars may be obtained from the Medical Superintendent at the Hospital, to whom applications by letter, stating age, qualifications and experience, together with copies of three testimonials, if possible, should be sent.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

AN OLD-ESTABLISHED LONDON HOUSE require an agent to represent them in Scotland for their products which are stocked by stores, chemists, grocers, hardware and domestic stores, etc. Please give details of warehousing and distributing facilities, number of travellers employed and other lines represented. Box 3/286.

ACTUAL MAKERS seek factors or distributors for high-quality non-ratified domestic washing tablet. The product represents a new development in this field and large and regular supplies can be made available. Box 3/268.

AGENTS required in all parts of British Isles to market popular line in retail chemist trade only. Applicants with existing contracts considered. Good commission to suitable representatives. Box 3/276.

AGENTS wanted all over the country calling on wholesale chemists, Co-ops., grocers and sundriesmen to carry additional nationally advertised lines. Commission basis. Write, giving area covered, and rough details of present lines carried, to Box 3/280.

APPLICATIONS from agents are invited by manufacturers to market popular lines in wholesale trade. Good commission and terms offered. Box 3/277.

CREATIVE BELFAST AGENTS invite agencies for Ulster and Eire. Box 2/608.

ECLIPSOL TOILETRIES and B.P. ointments. Agents required for the Home Counties and also for Northern Ireland. Please state experience, age and terms, to C. A. Stokes, M.P.S., Appleton House, Stinchcombe Hill, Dursley, Glos.

MANUFACTURERS' Agents' Association (C. & D.), Rosebery House, 8 Bream's Bldgs., E.C.4, supplies free lists of agents to manufacturers seeking representation in all important centres. Membership available to established agents.

TRAVELLERS wanted, well connected with chemists, druggists and large stores, etc., to introduce a new dental powder for cleaning artificial teeth, exhibiting at B.I.F. Salary, expenses and commission basis given suitable man. Give full details of experience, etc., in strictest confidence. "Daydent," 77 Notting Hill Gate, London, W.11.

WHOLESALE SUNDRIES HOUSE require agents calling on hairdressers, etc., in the London area. Only those with own connection and first-class references considered. Apply Box 3/244.

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

CAPABLE EXECUTIVE shortly leaving for United States of America would undertake any commissions or confidential market investigation in all matters appertaining to drugs, chemicals, perfumery, soaps, etc., of which he has extensive home and continental knowledge. For further details write with particulars Box 3/259.

IMPORTANT

Box Office numbers are intended exclusively for specific answers to particular advertisements and Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

ESTABLISHED AGENTS covering all wholesalers Southern England can accept one or two good repeating lines. Salaried travellers with cars assure efficient coverage. New lines not objected to. Box 3/284.

WELL-KNOWN REPRESENTATIVE (20 years same company), covering wholesale and retail chemists, departmental stores, wholesale warehousemen. West Country, embarking on career as agent, would be pleased to hear from interested firms of repute. Own car. Telephone. Apply Box 3/299.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

A NEW COMPANY about to commence operations will undertake blending and packing of powdered foodstuffs, fertilisers and soap powders. All operations will be carried out under the direction of an expert blending manager and a qualified chemist. 10-15 tons weekly. Box 3/274.

ATTRACTIVE OFFER to pharmacist (single; Jewish) who is anxious to start business and in need of capital. Box 3/312.

FIRM of manufacturing chemists desirous developing a new household line prepared consider offers. Product must be of exceptional merit and likely to be in good demand. Box 3/210.

MANUFACTURERS of non-quota products in big demand wish to contact distributors to take over all sales, with financial interest. Large established turnover. Box 3/272.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel. Reliance 3435.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

TABLETS. A well-known food manufacturing company have available tableting capacity. Large quantities can be handled quickly and efficiently under hygienic conditions. Complete packaging can be arranged if required. Inquiries to Box W.731, Haddons', Salisbury Sq., London, E.C.4.

TOOTHPASTE, COSMETICS, toilet preparations, patent medicines. Sole selling rights sought by City import-export merchants for the British West Indies. Replies to Box 3/250.

WANTED FOR EXPORT to Switzerland. Basic chemicals for pharmaceutical industry. Box 3/257.

WELL-KNOWN DISTRIBUTORS of pharmaceutical and non-quota chemists' sundries are open to consider marketing one or two extra products of highest class only. Manufacturers requiring the services of an active and well-established marketing organisation with efficient sales force and able to give national distribution to wholesalers, chemists, stores, etc., throughout Great Britain and Eire, should write, in confidence, to "Director," Box 3/303.

BUSINESSES FOR DISPOSAL

1/6 for 36 words or less, 3d. for every additional word

CHEMIST'S BUSINESS on East Coast of Scotland with shop property and dwelling houses for sale by private bargain. Excellent turnover; audited figures. Banker's references required. Particulars from Box 3/287.

EAST LONDON. Old-established group of retail businesses for disposal with wholesale, including P.A.T.A. membership. 3 freeholds, remainder of tenure secure. Retail turnover about £1,000 per week. Price required for goodwill, £14,500, in addition freehold, £7,500, stock and fixtures at valuation. Apply with banker's reference to Orridge & Co., 184 Strand, W.C.2.

EDINBURGH. Old-established dispensing business showing good profit. Turnover £3,300. Well fitted. Stock about £600. Shop property assessed at £36 for sale with business. Fuller particulars from Johnston, 19 Durham Rd., Portobello, Midlothian. Phone 81679.

EXCEPTIONAL OPPORTUNITY for qualified chemists' drug store in busy shopping centre, fashionable residential suburb important northern city, est. 1 year as drug store. Nett profit £9 weekly. Qualified man can immediately double by adding dispensing and purely chemists' lines. Price, £1,400 s.a.v. approx. £600. Write D. 717, c/o Street, 110 Old Broad St., E.C.2.

NEWLY-OPENED DRUG and surgical shop in main shopping street, Brighton. Good opening for chemist. Fully stocked, modern fittings and fixtures. Forced sale due to unforeseen circumstances. Rent £70 p.a., long lease. For quick sale £2,000 or £1,600 plus s.a.v. Reply Box 3/275.

SURGICAL SUNDRY BUSINESS with increasing turnover at the rate of £50,000 per annum. Excellent profits. Freehold factory with 18,000 sq. ft. available. In addition there is a sublet of £1,000 per annum. The concern can be purchased outright or partnership will be entertained. Banker's reference with application for details to Orridge & Co., 184 Strand, W.C.2.

SUSSEX surgical appliance business, etc., showing £60/£70 profit weekly, owner-managed, increasing. Only genuine inquiries with bankers' references considered by owner's personal agent. Information will be imparted after personal contact in first instance. Exceptional opportunity. £11,500 s.a.v., including valuable freehold. Box 3/266.

£2,000 OR NEAR OFFER. Herbal stores, main street, Bedford, eight rooms, yard, outbuildings, 21 years' lease. Rent only £100 year. Exclusive. Electricity, gas, telephone. Chance to add chemists' and optical goods. Vacant possession when required. Principals only. Stamped envelope or phone Bedford 5430. Proprietor, 6 St. John St., Bedford, Beds.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

A FEW 5½ kg. TINS of imported Morella cherry syrup with 65% sugar added, available at 6s. per kg. Box 175, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

APPROXIMATELY 6 tons ground nut fatty acid in 2-3-cwt. steel casks. First reasonable offer accepted. Write Box 3/248.

BOTTLES. 2,500 gross ½-oz. amber square. 2,000 gross ½-oz. amber cannons, 800 gross 1-oz. medical flats. 250 gross ½-oz. clear glass cannons. Samples and prices apply Rapidol, Ltd., 22 St. Margaret's Rd., Hanwell, W.7.

BOTTLES. Number of 6-oz. medical flat bottles with screw caps, surplus to requirements, for sale, free delivery in the London area. Best price accepted. Box 168, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

BOTTLES. 10 gross 10-oz. amber peroxides, blue caps, at 40/- gross. 10 gross 6-oz. barley jars, at 40/- gross. 10 gross 20-oz. barley jars, at 54/- gross. 10 gross 1-oz. pomade jars, at 26/- gross. 10 gross 2-oz. pomade jars, at 30/- gross. Perfect washed 6-oz. and 8-oz. medicals, 24/- gross. All other sizes medicals supplied. Lever, 44 St. Albans St., Leeds, 2.

COMPLETE STOCK of general middle-class drug store, London. Approx. £650-£750 nett. Lease sold for another trade. Will consider sensible proposition for the whole, also some drug runs. National till, and other fittings. All clean and saleable. Budget allowance will be made, no detail list available. View o.i.y. Box 3/316.

FORMULA. Pure ice cream. Worth thousands to right person. £100. Box 3/289.

FOR SALE. Considerable quantity of unused printed talcum powder tins, round sprinkler top, 22s. 6d. per gross, and lever lid tins 2½ in. x 3½ in., 15s. per gross. All suitable for gummed labels, or arrangements can be made for respraying. Apply Box 3/225.

GENUINE PALMA ROSA. 1 original pot, 128 lb. Box 3/317.

"HONEYPOT" BRAND FLY-CATCHERS (sticky type) at 7s. 6d. per gross nett. Packed in tin-lined wooden cases. Minimum quantity, 10,000 pieces. Ex Government stock. Box 3/301.

IRISH-GROWN medicinal herbs, including Belladonna, Hyoscyamus, Stramonium, Digitalis, Comfrey, Burdock, etc. Roots, barks, berries, etc. Inquiries invited for export. Christopher O'Connor & Co., Ltd., St. Catherine's, Leixlip, co. Kildare, Eire. Tel. 29.

LIQURICE POWDER, to which has been added, in order to maintain a free-running powder, 10.06 per cent. liquorice root powder. Offered at 4s. 3d. per lb. for 1-cwt. lots. Discount for larger quantities. Also Italian liquorice, 10-lb. slabs, at 3s. per lb. Box 3/290.

OFFERS wanted for 600 gross 20 m.m. white enamelled screw bottle caps, Ceresine liners. Box 3/288.

REFINED TEASED OIL, 9 galls. Offers required. Also offers for 3½-cwt. drums Yellow Petroleum Jelly, B.P. Offers 45 gall. liq. paraffin, B.P. Box 3/304.

SALE. 1 million misprint bags, 5 in. deep x 3½ in. wide, 3/6 1,000. Accept best offers 15,000 partition cases, cardboard, 12 in. long x 7 in. wide, 36 divisions. 70,000 7-lb. cellophane satchel bags. 500,000 paper bags, 2½ in. long x 1 in. wide. 800,000 cellophane sheets, 4 in. square. Also ampoule wood cases as follows: 352 to hold 1 phial, 12,750, 2 phials, 5,125, 6 phials, 787, 7 phials, 19,750, 12 phials. Seniors, 30 Darren View, Merthyr Tydfil.

SHOWCASES, glass counters, quick serving and airtight fittings, in oak or mahogany. Stock or made to your requirements. Repair Dept. Counters or fittings loaned during repairs. John Carbery, Ltd., 433 High Rd., Tottenham, N.17. Tot 6570.

SODIUM BENZOATE, B.P. 10 cwt., 2s. 6d. per lb., ex London Wharf, in 2 x 56-lb. and 4 x 84-lb. kegs free. Box 3/292.

SURPLUS. For sale, malt extract and malt with cod liver oil. Bulk or packed. Keen prices. Box 1619, Eason's Advertising Service, Dublin.

SURPLUS. 1 ton zinc oxide B.P. Best offers invited. Box 3/216.

SURPLUS. 160 lb. rosemary oil. Best offers invited. Box 3/215.

SURPLUS STOCK of disinfectants in 6-oz. bottles for sale. Box 180, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

for INDIAN BOTANICALS,
CRUDE DRUGS,
FOREST PRODUCTS, GUMS,
MEDICINAL PLANTS, SEEDS,
SPICES, ETC. to
B.P., U.S.P., B.P.C. & N.F. Standards.

Export Enquiries to:

THE INDIGENOUS
MANUFACTURES & PRODUCE (Sales) CO.
160 Govindappa Naick Street, Madras
Cables: Dandelions

SWEET ALMOND OIL, B.P., and Apricot Kernel Oil in 28-lb. tins, at 8s. 9d. lb. and 8s. lb. respectively. Fair quantity of each available, surplus stock. Box 181, c/o George Murray (Advertising), Ltd., 184 Strand, London, W.C.2.

TURPENTINE SUBSTITUTE and Mineral Oil Pool 30, several drums each, to clear. Box 3/306.

WE CAN SUPPLY absorbent wool of Dutch manufacture, packed in one pound rolls. Available in one cwt lots only, at 2s. 7½d. per lb. for hospital and 3s. 2½d. per lb. for best. Both prices subject to plus 10% duty charges. Edwards Surgical Supplies, 66 Mortimer St., London, W.1.

½-OZ. AMBER BOTTLES and 1-oz. medical flats with caps, to clear, 15s. per gross. Box 3/305.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BOTTLES, 4-oz. Screw neck. Regular supplies required by London manufacturing chemists. Box 3/273.

BOTTLES, 26-oz. and 13-oz. wine or champagne bottles required. Box 1/853.

COSMETIC manufacturers require supplies of a cellulose acetate or other container to hold lipstick refill. Prices and samples to Yeast-Pac Co., 146 Cromwell Rd., S.W.7.

GLYCERINE, chemically pure, required in any quantity. Cash by return. Box 3/132.

GLYCERINE, B.P., or pale straw, etc., required in any quantities. Replies to Box 3/269.

GLYCERINE. High price paid for large or small quantities. Box 3/278.

GLYCERINE required. Manufacturing chemists wish to purchase glycerine, pharmaceutical quality, up to one ton. Offer to Box 1/577.

GLYCERINE, industrial pale straw or B.P., urgently required. State price and quantity (1 cwt. minimum). George Rice, Ltd., Hudson Bay Works, Warton Rd., Stratford, E.15. Telephone: Maryland 1222.

LACTOSE B.P. Quantity wanted; large quantities urgent; also white petroleum jelly B.P., glyceryl monostearate, vanillin, phenacetin and glycerine; also interested in Government surplus stocks of bandages, etc. Box 3/253.

STEARIC ACID, triple pressed, required in large quantities. Box 147/850.

STEARIC ACID (triple pressed) wanted in large or small quantities. B.P. glycerine available if required as part payment. Box 3/189.

TRIPLE PRESSED STEARIC ACID required; any quantities. Replies to Box 3/270.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/307.

WANTED URGENTLY. Stearic acid, Phenacetin, Glycerine, Aspirin, Soda Crystals, G.M.S. White Pet. Jelly, Lactose, B.P. Offers to Box 2/294.

4/6 PER DOZEN for 120 and 620 spools and backing papers; must be in good condition with backing papers not torn. Other sizes considered, but pack separate, please. Vincent, Regency Place, London, S.W.1.

WEIGHING MACHINES, 1d. slot, wanted. Any make or condition: Avery, Salters, Autoways, etc. Send full particulars and price to Bolland, 41 Fellbrigg Rd., E. Dulwich, London, S.E.22.

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